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Laboratory Table Summary Report
FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Ames Laboratory	58,101	23,636	22,453
Ames Site Office	664	664	768
Argonne National Laboratory	808,219	741,113	691,759
Argonne Site Office	4,388	4,388	8,879
Bay Area Site Office	6,027	0	0
Berkeley Site Office	0	3,616	3,923
Bettis Atomic Power Laboratory	364,997	364,997	652,183
Brookhaven National Laboratory	572,004	603,501	625,604
Brookhaven Site Office	4,444	4,444	5,343
Carlsbad Area Office	18,685	18,630	20,177
Chicago Operations Office	426,027	294	58
Consolidated Business Center	103,127	95,517	103,327
Consolidated Service Center - Tennessee	15	0	0
East Tennessee Technology Park (K25)	168,961	168,961	124,946
Energy Technology Engineering Center	12,000	12,000	26,409
Fermi National Accelerator Laboratory	595,506	606,908	643,022
Fermi Site Office	3,452	3,452	3,651
Fernald Environmental Management Project	1,100	1,100	1,062
Fernald Site	11,902	11,902	11,988
Golden Field Office	440,694	696,493	1,221,385
Grand Junction Office	40,101	40,101	41,856
Hanford Site	1,016,279	1,016,279	907,090
Idaho National Laboratory	1,818,265	1,820,912	1,768,291
Idaho Operations Office	288,848	279,174	320,951
Kansas City National Security Complex (KCNSC)	1,209,622	1,171,535	1,326,434
Kansas City Site Office	10,448	11,346	13,842
Knolls Atomic Power Laboratory	654,727	654,727	653,950
Lawrence Berkeley National Laboratory	1,050,510	1,088,300	1,343,014
Lawrence Livermore National Laboratory	2,217,012	2,235,162	2,373,033
Lexington Office	200	200	200
Livermore Site Office	17,162	17,566	19,266
Los Alamos National Laboratory	3,647,553	3,448,106	4,575,112
Los Alamos Site Office	17,333	17,743	20,729
Miamisburg Site	5	5	5
Moab Site	47,833	47,833	67,000
Mound Site	12,738	12,738	12,083
National Energy Technology Lab	680,751	619,913	537,159
National Renewable Energy Laboratory	392,517	380,570	619,577
Naval Petroleum Reserve No 1	11,000	11,000	11,004
Naval Reactors Facility	325,121	325,121	503,000
Naval Reactors Laboratory Field Office	20,680	20,680	23,410

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Laboratory Table Summary Report
FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Naval Research Laboratory	8,500	7,000	2,500
Nevada Field Office	23,808	22,189	26,229
Nevada National Security Site	842,004	832,221	712,041
Nevada Operations Office	5,065	5,065	3,900
NNSA Albuquerque Complex	1,326,627	1,393,933	1,257,761
NNSA Production Office (NPO)	86,098	46,927	118,268
Northeast Gasoline Supply Reserve (NGSR) - South Portland	0	0	2,638
Northeast Gasoline Supply Reserve (NGSR) - Revere	0	0	4,967
Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay	0	0	14,110
Oak Ridge Institute for Science & Education	22,388	22,571	22,230
Oak Ridge National Laboratory	2,129,459	1,939,492	1,982,959
Oak Ridge National Laboratory Site Office	5,152	5,152	7,155
Oak Ridge Office	57,821	17,821	20,508
Oak Ridge Reservation	112,471	112,471	62,000
Oak Ridge Reservation (Off-Site)	5,900	5,900	5,300
Office of River Protection	1,668,205	1,668,205	1,631,317
Office of Scientific & Technical Information	12,659	12,497	15,834
Pacific Northwest National Laboratory	726,862	697,922	802,751
Pacific Northwest Site Office	5,066	5,066	6,058
Paducah Gaseous Diffusion Plant	330,242	330,242	296,693
Pantex Plant	987,702	973,379	1,143,584
Pinellas Site	4,535	4,535	4,164
Portsmouth Gaseous Diffusion Plant	556,864	545,864	624,031
Princeton Plasma Physics Laboratory	82,833	78,133	76,597
Princeton Site Office	1,991	1,991	2,190
Richland Operations Office	60,235	59,426	65,708
Rocky Flats Site	28,675	28,675	41,288
Sandia National Laboratories	2,812,674	2,662,115	2,996,354
Sandia Site Office	74,378	83,637	76,715
Savannah River National Laboratory	1,680	925	41,600
Savannah River Operations Office	262,730	252,600	277,032
Savannah River Site	2,571,746	2,637,491	2,957,928
Savannah River Site Office	500	500	500
Separations Process Research Unit	15,000	15,000	15,300
SLAC National Accelerator Laboratory	434,431	429,295	481,688
SLAC Site Office	0	2,411	2,615
Southwestern Power Administration Office	116,194	116,194	162,802
Strategic Petroleum Reserve - Bayou Choctow	13,533	13,533	16,281
Strategic Petroleum Reserve - Big Hill	20,740	20,740	21,040
Strategic Petroleum Reserve - Bryan Mound	18,519	18,519	19,245
Strategic Petroleum Reserve - West Hackberry	23,383	23,383	20,484

DEPARTMENT OF ENERGY
Laboratory Table Summary Report
FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Strategic Petroleum Reserve Project Office	99,515	99,515	110,610
Thomas Jefferson National Accelerator Facility	135,200	153,147	162,059
Thomas Jefferson Site Office	1,812	1,812	2,461
Undesignated Lab/Plant/Installation	308,151	681,126	953,629
University of Rochester	82,000	82,000	75,000
Washington Headquarters	5,462,374	4,758,832	5,905,161
Waste Isolation Pilot Plant	424,327	419,867	468,906
Weldon Spring Site Office	4,092	4,092	5,131
West Valley Demonstration Project	92,411	92,411	94,259
Western Area Power Administration Office	68,215	68,200	90,392
Y-12 National Security Complex	2,123,781	2,201,851	2,022,049
Y-12 Site Office	47,900	47,900	38,020
Grants	691,454	1,625,325	1,791,299
Undesignated LPI	-173,055	-5,860	2,087,109
Total by Lab, Plant, and Installation	41,903,865	41,903,865	49,152,393

DEPARTMENT OF ENERGY
Laboratory Table
Ames Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Ames Laboratory			
Research - Basic Energy Sciences	16,782	16,782	16,782
Basic Energy Sciences	16,782	16,782	16,782
Research - Biological & Environmental Research	1,250	1,250	0
Biological and Environmental Research	1,250	1,250	0
Research - Fusion Energy Sciences	275	275	0
Fusion Energy Sciences	275	275	0
Research - High Energy Physics	1,618	1,600	2,000
High Energy Physics	1,618	1,600	2,000
21-SC-73, Ames Infrastructure Modernization	150	0	0
Construction - Science Laboratories Infrastructure	150	0	0
Science Laboratories Infrastructure	150	0	0
Safeguards and Security - SC	1,231	1,231	2,671
Vehicle Technologies	300	300	300
Hydrogen and Fuel Cells Technologies	9,100	200	200
Sustainable Transportation	9,400	500	500
Advanced Manufacturing	25,397	0	0
Energy Efficiency	25,397	0	0
Advanced Energy Systems	730	730	0
Cross Cutting Research	806	806	0
Advanced Coal Energy Systems & CCUS	1,536	1,536	0
Crosscutting Technology Development	462	462	500
Nuclear Energy Enabling Technologies	462	462	500
Total Ames Laboratory	58,101	23,636	22,453

DEPARTMENT OF ENERGY
Laboratory Table
 Ames Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Ames Site Office			
Program Direction - SC	664	664	768
Total Ames Site Office	664	664	768

DEPARTMENT OF ENERGY
Laboratory Table
Argonne National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Argonne National Laboratory			
Tritium Sustainment and Modernization	38	40	40
Tritium and Domestic Uranium Enrichment	38	40	40
Production Modernization	38	40	40
Dynamic Materials Properties	3,750	3,250	5,000
Assessment Science	3,750	3,250	5,000
Stockpile Research, Technology, and Engineering	3,750	3,250	5,000
Conversion	18,961	16,562	17,047
Nuclear Material Removal	1,800	550	800
Material Disposition	150	0	100
Laboratory and Partnership Support	2,953	0	0
Material Management and Minimization	23,864	17,112	17,947
Radiological Security	2,548	2,327	2,268
Nuclear Smuggling Detection and Deterrence	324	1,000	330
Global Material Security	2,872	3,327	2,598
Nonproliferation & Arms Control	10,064	10,064	12,761
Proliferation Detection R&D	3,090	2,510	3,475
Nonproliferation Fuels Development	4,400	771	0
Forensics R&D	875	575	876
Nonproliferation Stewardship Program	375	0	383
Defense Nuclear Nonproliferation R&D	8,740	3,856	4,734
Emergency Operations	230	30	50
Counterterrorism and Counterproliferation	3,358	3,358	3,880
Nuclear Counterterrorism & Incident Response	3,588	3,388	3,930
Program Direction - National Nuclear Security Administration	608	684	923
Research - Advanced Scientific Computing Research	161,432	161,104	167,746
Advanced Scientific Computing Research	161,432	161,104	167,746
Research - Basic Energy Sciences	223,706	238,314	222,150
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	160,000	101,000	9,200
Construction - Basic Energy Sciences	160,000	101,000	9,200
Basic Energy Sciences	383,706	339,314	231,350
Research - Biological & Environmental Research	33,868	33,868	41,007
Biological and Environmental Research	33,868	33,868	41,007
Research - Fusion Energy Sciences	389	200	330
Fusion Energy Sciences	389	200	330
Research - High Energy Physics	16,795	13,818	16,061
High Energy Physics	16,795	13,818	16,061
Operations and Maintenance - Nuclear Physics	30,552	31,235	34,321
Nuclear Physics	30,552	31,235	34,321
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	500	500	8,000
Construction - Science Laboratories Infrastructure	500	500	8,000
Science Laboratories Infrastructure	500	500	8,000
Safeguards and Security - SC	10,469	10,469	18,985
Vehicle Technologies	45,640	48,355	44,500
Bioenergy Technologies	12,800	12,635	12,500
Hydrogen and Fuel Cells Technologies	7,412	6,800	7,300
Sustainable Transportation	65,852	67,790	64,300
Solar Energy Technologies	2,025	2,025	2,800
Wind Energy Technologies	2,318	2,405	6,640

DEPARTMENT OF ENERGY
Laboratory Table
Argonne National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Water Power Technologies	1,000	2,091	5,973
Renewable Power	5,343	6,521	15,413
Advanced Manufacturing	6,206	1,300	1,500
Building Technologies	2,282	1,550	1,897
Energy Efficiency	8,488	2,850	3,397
Strategic Programs	800	200	1,500
Corporate Support	800	200	1,500
Transmission Reliability and Resilience	3,972	0	3,250
Energy Delivery Grid Operations Technology	0	0	1,300
Resilient Distribution Systems	1,328	0	1,300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	500
Energy Storage R&D	100	0	100
Energy Storage	100	0	100
DCEI Energy Mission Assurance	500	500	0
Transmission Permitting and Technical Assistance	250	0	0
Infrastructure Security and Energy Restoration	3,300	3,300	0
Response and Restoration	0	0	1,700
Information Sharing, Partnerships and Exercises	0	0	1,900
Advanced Oil and Gas Prod Tech (Unconv FE)	150	150	0
LWR Sustainability	0	0	250
Advanced Reactor Technologies	6,385	6,385	7,500
Reactor Concepts RD&D	6,385	6,385	7,750
Materials Recovery and Waste Form Development	1,060	1,060	1,625
Accident Tolerant Fuels	120	120	131
Triso Fuel and Graphite Qualification	0	450	330
Fuel Cycle Laboratory R&D	2,440	2,440	5,685
Used Nuclear Fuel Disposition R&D	1,500	1,500	1,500
Integrated Waste Management System	200	200	1,900
Fuel Cycle Research & Development	5,320	5,770	11,171
Crosscutting Technology Development	825	825	1,000
Joint Modeling and Simulation Program	5,675	5,675	4,800
Nuclear Science User Facilities	200	200	300
Transformational Challenge Reactor	1,100	1,100	0
Nuclear Energy Enabling Technologies	7,800	7,800	6,100
Regulatory Development	4,760	4,760	3,700
Advanced Reactors Safeguards	700	700	250
Advanced Reactors Demonstration Program	5,460	5,460	3,950
International Nuclear Energy Cooperation	0	0	250
Program Direction - Nuclear Energy	8	8	0
Interim Storage	500	500	0
Strategic Partnership Projects	100	100	100
Strategic Partnership Projects and Revenues	100	100	100
Environment, Health, Safety & Security	945	945	945
Environment, Health, Safety, and Security	945	945	945
Office of Technology Transitions (DA)	55	55	0
Advanced Technology Vehicle Manufacturing Loan Program	328	550	600
Grid Technical Assistance	0	0	500
Total Argonne National Laboratory	808,219	741,113	691,759

DEPARTMENT OF ENERGY
Laboratory Table
 Argonne Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Argonne Site Office			
Program Direction - SC	3,997	3,997	4,879
National Reactor Innovation Center	391	391	4,000
Advanced Reactors Demonstration Program	391	391	4,000
Total Argonne Site Office	4,388	4,388	8,879

DEPARTMENT OF ENERGY

Laboratory Table

Bay Area Site Office FY 2023

(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Bay Area Site Office			
Program Direction - SC	6,027	0	0
Total Bay Area Site Office	6,027	0	0

DEPARTMENT OF ENERGY
Laboratory Table
 Berkeley Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Berkeley Site Office			
Program Direction - SC	0	3,616	3,923
Total Berkeley Site Office	0	3,616	3,923

DEPARTMENT OF ENERGY
Laboratory Table
 Bettis Atomic Power Laboratory FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Bettis Atomic Power Laboratory			
Naval Reactors Development	250,006	250,006	389,190
Columbia-Class Reactor Systems Development	15,028	15,028	10,244
S8G Prototype Refueling	2,888	2,888	0
Naval Reactors Operations and Infrastructure	82,713	82,713	188,315
23-D-533 BL Component Test Complex	0	0	52,200
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	14,362	14,362	12,234
Construction - Naval Reactors	14,362	14,362	64,434
Total Bettis Atomic Power Laboratory	364,997	364,997	652,183

DEPARTMENT OF ENERGY
Laboratory Table
Brookhaven National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Brookhaven National Laboratory			
Safety and Environmental Operations	464	477	515
Operating	464	477	515
Infrastructure and Operations	464	477	515
Conversion	700	250	300
Material Management and Minimization	700	250	300
Radiological Security	461	205	410
Nuclear Smuggling Detection and Deterrence	1,407	1,012	1,432
Global Material Security	1,868	1,217	1,842
Nonproliferation & Arms Control	2,886	2,886	3,659
Proliferation Detection R&D	5,771	9,093	6,489
Forensics R&D	564	475	564
Defense Nuclear Nonproliferation R&D	6,335	9,568	7,053
Counterterrorism and Counterproliferation	2,672	2,839	3,509
Nuclear Counterterrorism & Incident Response	2,672	2,839	3,509
Program Direction - National Nuclear Security Administration	6	6	6
Research - Advanced Scientific Computing Research	2,313	1,580	2,643
Advanced Scientific Computing Research	2,313	1,580	2,643
Research - Basic Energy Sciences	167,542	183,954	211,501
Basic Energy Sciences	167,542	183,954	211,501
Research - Biological & Environmental Research	17,353	17,353	18,900
Biological and Environmental Research	17,353	17,353	18,900
Research - Fusion Energy Sciences	2,409	0	2,409
Fusion Energy Sciences	2,409	0	2,409
Research - High Energy Physics	75,692	69,273	75,568
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	3,516	6,000	10,000
Construction - High Energy Physics	3,516	6,000	10,000
High Energy Physics	79,208	75,273	85,568
Operations and Maintenance - Nuclear Physics	220,175	212,345	213,056
20-SC-52, Electron Ion Collider, BNL	5,000	3,750	20,000
Construction - Nuclear Physics	5,000	3,750	20,000
Nuclear Physics	225,175	216,095	233,056
Research - Accelerator R&D and Production	0	5,367	6,176
Accelerator R&D and Production	0	5,367	6,176
Facilities and Infrastructure (SLI)	0	0	4,000
20-SC-71, Critical Utilities Rehabilitation Project, BNL	20,000	26,000	13,000
19-SC-71, Science User Support Center, BNL	20,000	38,000	0
Construction - Science Laboratories Infrastructure	40,000	64,000	13,000
Science Laboratories Infrastructure	40,000	64,000	17,000
Safeguards and Security - SC	14,233	14,233	21,275
Vehicle Technologies	2,900	4,675	4,000
Hydrogen and Fuel Cells Technologies	1,000	200	200
Sustainable Transportation	3,900	4,875	4,200
Solar Energy Technologies	1,267	1,267	1,745
Geothermal Technologies	50	25	0
Renewable Power	1,317	1,292	1,745
Building Technologies	700	213	213
Energy Efficiency	700	213	213
Transmission Reliability and Resilience	900	0	1,000

DEPARTMENT OF ENERGY
Laboratory Table
 Brookhaven National Laboratory FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Accident Tolerant Fuels	656	656	715
Fuel Cycle Laboratory R&D	300	300	699
Fuel Cycle Research & Development	956	956	1,414
Crosscutting Technology Development	17	17	20
Nuclear Energy Enabling Technologies	17	17	20
Advanced Reactors Safeguards	445	445	350
Advanced Reactors Demonstration Program	445	445	350
Strategic Partnership Projects	275	275	1,000
Strategic Partnership Projects and Revenues	275	275	1,000
Environment, Health, Safety & Security	250	250	250
Environment, Health, Safety, and Security	250	250	250
Office of Technology Transitions (DA)	80	80	0
Total Brookhaven National Laboratory	572,004	603,501	625,604

DEPARTMENT OF ENERGY
Laboratory Table
 Brookhaven Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Brookhaven Site Office			
Program Direction - SC	4,444	4,444	5,343
Total Brookhaven Site Office	4,444	4,444	5,343

DEPARTMENT OF ENERGY
Laboratory Table
Carlsbad Area Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Carlsbad Area Office			
Radiological Security	55	0	49
Global Material Security	55	0	49
Program Direction - National Nuclear Security Administration	1	1	1
Program Direction - Defense Environmental Cleanup	11,823	11,823	13,321
Safeguards and Security - Defense Environmental Cleanup	6,806	6,806	6,806
Total Carlsbad Area Office	18,685	18,630	20,177

DEPARTMENT OF ENERGY
Laboratory Table
Chicago Operations Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Chicago Operations Office			
Program Direction - National Nuclear Security Administration	6	6	6
Research - Basic Energy Sciences	217,479	0	0
Basic Energy Sciences	217,479	0	0
Research - Biological & Environmental Research	23,772	0	0
Biological and Environmental Research	23,772	0	0
Research - Fusion Energy Sciences	41,878	0	0
Fusion Energy Sciences	41,878	0	0
Operations and Maintenance - Nuclear Physics	140,954	0	0
Nuclear Physics	140,954	0	0
Payment In Lieu of Taxes	1,650	0	0
Science Laboratories Infrastructure	1,650	0	0
Joint Modeling and Simulation Program	234	234	0
Nuclear Science User Facilities	2	2	2
Nuclear Energy Enabling Technologies	236	236	2
Program Direction - Nuclear Energy	2	2	0
Environment, Health, Safety & Security	50	50	50
Environment, Health, Safety, and Security	50	50	50
Total Chicago Operations Office	426,027	294	58

DEPARTMENT OF ENERGY
Laboratory Table
Consolidated Business Center FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Consolidated Business Center			
Payment In Lieu of Taxes	3,000	4,820	4,891
Oak Ridge Landlord	5,860	6,430	6,559
Science Laboratories Infrastructure	8,860	11,250	11,450
Safeguards and Security - SC	4,397	4,397	5,635
Program Direction - SC	43,481	43,481	45,799
Environment, Health, Safety & Security	259	259	259
Environment, Health, Safety, and Security	259	259	259
Closure Sites Administration	2,087	2,087	2,452
Program Direction - Defense Environmental Cleanup	34,043	34,043	37,732
Small Sites - NDEC	10,000	0	0
Total Consolidated Business Center	103,127	95,517	103,327

DEPARTMENT OF ENERGY
Laboratory Table
Consolidated Service Center - Tennessee FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Consolidated Service Center - Tennessee			
Transmission Reliability and Resilience	15	0	0
Total Consolidated Service Center - Tennessee	15	0	0

DEPARTMENT OF ENERGY
Laboratory Table
 East Tennessee Technology Park (K25) FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
East Tennessee Technology Park (K25)			
Safeguards and Security - Defense Environmental Cleanup	9,260	9,260	12,000
Oak Ridge Reservation (D&D Fund)	134,701	134,701	92,946
Pension and Community and Regulatory Support	25,000	25,000	20,000
Total East Tennessee Technology Park (K25)	168,961	168,961	124,946

DEPARTMENT OF ENERGY
Laboratory Table
 Energy Technology Engineering Center FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Energy Technology Engineering Center			
Small Sites - NDEC	12,000	12,000	26,409
Total Energy Technology Engineering Center	12,000	12,000	26,409

DEPARTMENT OF ENERGY
Laboratory Table
Fermi National Accelerator Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Fermi National Accelerator Laboratory			
Proliferation Detection R&D	750	750	843
Defense Nuclear Nonproliferation R&D	750	750	843
Research - Advanced Scientific Computing Research	874	700	1,778
Advanced Scientific Computing Research	874	700	1,778
Research - High Energy Physics	326,113	301,673	318,163
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	79,000	90,000	120,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	167,484	170,000	166,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	13,000	2,000
Construction - High Energy Physics	248,484	273,000	288,000
High Energy Physics	574,597	574,673	606,163
Research - Accelerator R&D and Production	0	0	23
Accelerator R&D and Production	0	0	23
Facilities and Infrastructure (SLI)	0	11,500	0
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	500	500	20,000
17-SC-71, Integrated Engineering Research Center, FNAL	10,250	10,250	0
Construction - Science Laboratories Infrastructure	10,750	10,750	20,000
Science Laboratories Infrastructure	10,750	22,250	20,000
Safeguards and Security - SC	8,480	8,480	14,215
Office of Technology Transitions (DA)	55	55	0
Total Fermi National Accelerator Laboratory	595,506	606,908	643,022

DEPARTMENT OF ENERGY
Laboratory Table
 Fermi Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Fermi Site Office			
Program Direction - SC	3,452	3,452	3,651
Total Fermi Site Office	3,452	3,452	3,651

DEPARTMENT OF ENERGY
Laboratory Table
 Fernald Environmental Management Project FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Fernald Environmental Management Project			
Closure Sites Administration	1,100	1,100	1,062
Total Fernald Environmental Management Project	1,100	1,100	1,062

DEPARTMENT OF ENERGY
Laboratory Table
 Fernald Site FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Fernald Site			
Legacy Management Activities - Defense	11,902	11,902	11,988
Legacy Management	11,902	11,902	11,988
Total Fernald Site	11,902	11,902	11,988

DEPARTMENT OF ENERGY
Laboratory Table
Golden Field Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Golden Field Office			
Vehicle Technologies	0	5,000	0
Bioenergy Technologies	87,000	93,000	180,000
Hydrogen and Fuel Cells Technologies	60,691	63,500	90,600
Sustainable Transportation	147,691	161,500	270,600
Wind Energy Technologies	34,472	28,159	130,889
Water Power Technologies	53,050	39,650	77,792
Geothermal Technologies	64,240	78,725	170,000
Renewable Power	151,762	146,534	378,681
Advanced Manufacturing	80,275	283,846	475,000
Building Technologies	19,223	34,198	57,600
Federal Energy Management Program (EERE)	13,000	20,000	0
Weatherization Assistance Program (EERE)	0	24,800	0
Training and Technical Assistance (EERE)	2,075	1,900	0
State Energy Program Grants (EERE)	2,150	1,000	0
Weatherization and Intergovernmental Programs	4,225	27,700	0
Energy Efficiency	116,723	365,744	532,600
Program Direction - Energy Efficiency and Renewable Energy	24,516	22,712	36,250
Corporate Support	24,516	22,712	36,250
Loan Guarantee Program	2	3	3
Program Direction - OCED	0	0	3,251
Total Golden Field Office	440,694	696,493	1,221,385

DEPARTMENT OF ENERGY
Laboratory Table
Grand Junction Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Grand Junction Office			
Legacy Management Activities - Defense	40,101	40,101	41,856
Legacy Management	40,101	40,101	41,856
Total Grand Junction Office	40,101	40,101	41,856

DEPARTMENT OF ENERGY
Laboratory Table
Hanford Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Hanford Site			
Central Plateau Remediation	670,000	670,000	650,240
River Corridor and Other Cleanup Operations	232,479	232,479	135,000
18-D-404 Modification of Waste Encapsulation and Storage Facility	15,000	15,000	3,100
22-D-401 L-888, 400 Area Fire Station	0	0	3,100
22-D-402 L-897, 200 Area Water Treatment Facility	0	0	8,900
23-D-404 181D Export Water System Reconfiguration and Upgrade	0	0	6,770
23-D-405 181B Export Water System Reconfiguration and Upgrade	0	0	480
Construction - Richland	15,000	15,000	22,350
Richland	917,479	917,479	807,590
Safeguards and Security - Defense Environmental Cleanup	96,300	96,300	96,300
Fast Flux Test Reactor Facility (WA)	2,500	2,500	3,200
Total Hanford Site	1,016,279	1,016,279	907,090

DEPARTMENT OF ENERGY
Laboratory Table
Idaho National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Idaho National Laboratory			
Stockpile Sustainment	200	0	0
Stockpile Management	200	0	0
Tritium Sustainment and Modernization	1,905	2,467	4,887
Tritium and Domestic Uranium Enrichment	1,905	2,467	4,887
Production Modernization	1,905	2,467	4,887
Weapons Survivability	410	0	0
Engineering and Integrated Assessments	410	0	0
Stockpile Research, Technology, and Engineering	410	0	0
Safety and Environmental Operations	975	1,015	1,155
Operating	975	1,015	1,155
Infrastructure and Operations	975	1,015	1,155
Conversion	45,914	34,650	49,850
Nuclear Material Removal	8,685	9,100	13,030
Material Management and Minimization	54,599	43,750	62,880
International Nuclear Security	2,327	5,934	2,392
Radiological Security	10,939	13,100	9,739
Nuclear Smuggling Detection and Deterrence	0	1,675	0
Global Material Security	13,266	20,709	12,131
Nonproliferation & Arms Control	2,146	2,146	2,721
Proliferation Detection R&D	5,945	5,540	6,684
Nonproliferation Fuels Development	8,340	1,508	0
Forensics R&D	937	900	937
Nonproliferation Stewardship Program	450	200	4,993
Defense Nuclear Nonproliferation R&D	15,672	8,148	12,614
Counterterrorism and Counterproliferation	4,890	5,622	6,815
Nuclear Counterterrorism & Incident Response	4,890	5,622	6,815
Naval Reactors Development	91,000	91,000	17,722
S8G Prototype Refueling	738	738	0
Naval Reactors Operations and Infrastructure	183,809	183,809	178,169
Program Direction - National Nuclear Security Administration	166	206	6
Research - Advanced Scientific Computing Research	70	0	0
Advanced Scientific Computing Research	70	0	0
Research - Basic Energy Sciences	570	570	570
Basic Energy Sciences	570	570	570
Research - Fusion Energy Sciences	1,646	1,646	2,800
Fusion Energy Sciences	1,646	1,646	2,800
Vehicle Technologies	9,825	11,460	11,000
Bioenergy Technologies	15,900	15,900	15,000
Hydrogen and Fuel Cells Technologies	4,350	7,600	8,100
Sustainable Transportation	30,075	34,960	34,100
Solar Energy Technologies	80,534	80,534	131,190
Wind Energy Technologies	1,534	1,170	4,394
Water Power Technologies	1,570	4,355	10,232
Geothermal Technologies	100	71	0
Renewable Power	83,738	86,130	145,816
Advanced Manufacturing	3,939	0	0
Building Technologies	0	815	0
Federal Energy Management Program (EERE)	442	600	0

DEPARTMENT OF ENERGY
Laboratory Table
Idaho National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Energy Efficiency	4,381	1,415	0
Transmission Reliability and Resilience	3,266	0	5,350
Energy Delivery Grid Operations Technology	0	0	700
Resilient Distribution Systems	1,460	0	1,300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	1,000
Energy Storage R&D	50	0	100
Energy Storage	50	0	100
Transformer Resilience and Advanced Components	190	0	500
Cybersecurity for Energy Delivery Systems	27,780	27,780	0
Infrastructure Security and Energy Restoration	6,300	6,300	0
Risk Management Technology and Tools	0	0	37,000
Response and Restoration	0	0	3,600
Information Sharing, Partnerships and Exercises	0	0	4,000
Carbon Capture	110	110	0
CCS and Power Systems	110	110	0
Advanced Energy Systems	1,603	1,603	0
Cross Cutting Research	641	641	0
Advanced Coal Energy Systems & CCUS	2,244	2,244	0
University Led Research & Development	0	0	3,500
University Fuel Services (RRI)	0	0	17,430
Advanced SMR R&D	1,388	1,388	1,200
LWR Sustainability	17,683	17,683	15,470
Advanced Reactor Technologies	10,665	10,665	16,000
Reactor Concepts RD&D	29,736	29,736	32,670
Mining, Conversion, and Transportation	450	0	0
Materials Recovery and Waste Form Development	17,988	17,988	27,400
Accident Tolerant Fuels	22,103	22,103	24,070
Triso Fuel and Graphite Qualification	18,950	29,000	21,100
Fuel Cycle Laboratory R&D	8,000	8,000	18,640
HALEU Availability	0	0	7,281
Used Nuclear Fuel Disposition R&D	1,075	1,075	1,075
Integrated Waste Management System	1,000	1,000	3,000
Fuel Cycle Research & Development	69,566	79,166	102,566
Crosscutting Technology Development	11,896	11,896	18,203
Joint Modeling and Simulation Program	11,823	11,823	8,300
Nuclear Science User Facilities	25,445	25,445	33,408
Transformational Challenge Reactor	1,853	1,853	0
Nuclear Energy Enabling Technologies	51,017	51,017	59,911
National Reactor Innovation Center	28,279	28,279	68,780
Demonstration 1 (X-Energy)	77,288	77,288	0
Demonstration 2 (Sodium)	77,135	77,135	0
Risk Reduction for Future Demonstration	0	0	20,000
Regulatory Development	3,176	3,176	2,200
Advanced Reactors Safeguards	264	264	400
Advanced Reactors Demonstration Program	186,142	186,142	91,380
Other Project Costs	42,435	42,435	44,435
21-E-200, Versatile Test Reactor	2,000	2,000	0
Versatile Advanced Test Reactor R&D	44,435	44,435	44,435
INL Facilities Operations and Maintenance	273,712	275,325	322,855
16-E-200 Sample Preparation Laboratory	26,000	26,000	7,300

DEPARTMENT OF ENERGY
Laboratory Table
Idaho National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Research Reactor Infrastructure	11,430	11,430	0
Infrastructure	311,142	312,755	330,155
Idaho Sitewide Safeguards & Security (050)	145,850	148,175	155,075
Program Direction - Nuclear Energy	3,916	3,916	4,500
Environment, Health, Safety & Security	150	150	150
Environment, Health, Safety, and Security	150	150	150
Office of Technology Transitions (DA)	155	155	0
Idaho Cleanup and Waste Disposition	430,000	430,000	350,658
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	0	0	8,000
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	0	0	8,000
23-D-402 - Calcine Construction	0	0	10,000
Construction - Idaho	0	0	26,000
Idaho Community and Regulatory Support	3,500	3,500	2,705
Idaho National Laboratory (INL)	433,500	433,500	379,363
Small Sites - NDEC	11,000	11,000	11,220
Total Idaho National Laboratory	1,818,265	1,820,912	1,768,291

DEPARTMENT OF ENERGY
Laboratory Table
Idaho Operations Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Idaho Operations Office			
Research - Basic Energy Sciences	369	369	369
Basic Energy Sciences	369	369	369
Transmission Reliability and Resilience	5	0	0
University Led Research & Development	0	0	500
University Scholarships and Fellowships	0	0	5,991
University Fuel Services (RRI)	0	0	50
Integrated University Program	5,000	4,991	0
Advanced SMR R&D	111,455	111,455	37,600
LWR Sustainability	12,306	12,306	9,965
Advanced Reactor Technologies	6,738	6,738	400
Reactor Concepts RD&D	130,499	130,499	47,965
Materials Recovery and Waste Form Development	3,358	3,358	5,140
Accident Tolerant Fuels	56,265	56,265	61,323
Triso Fuel and Graphite Qualification	7,912	2,550	1,900
Fuel Cycle Laboratory R&D	1,700	1,700	3,961
HALEU Availability	0	0	44,810
Used Nuclear Fuel Disposition R&D	13,500	13,500	3,000
Integrated Waste Management System	2,000	2,000	12,000
Fuel Cycle Research & Development	84,735	79,373	132,134
Crosscutting Technology Development	3,656	3,656	3,000
Joint Modeling and Simulation Program	5,542	5,542	4,300
Nuclear Science User Facilities	760	760	800
Transformational Challenge Reactor	3,069	3,069	0
Nuclear Energy Enabling Technologies	13,027	13,027	8,100
National Reactor Innovation Center	220	220	220
Risk Reduction for Future Demonstration	0	0	70,000
Regulatory Development	2,826	2,826	200
Advanced Reactors Safeguards	978	978	0
Advanced Reactors Demonstration Program	4,024	4,024	70,420
Other Project Costs	500	500	500
Versatile Advanced Test Reactor R&D	500	500	500
INL Facilities Operations and Maintenance	5,476	3,678	3,134
Research Reactor Infrastructure	50	50	0
Infrastructure	5,526	3,728	3,134
Idaho Sitewide Safeguards & Security (050)	3,900	1,400	1,400
International Nuclear Energy Cooperation	0	0	750
Program Direction - Nuclear Energy	27,909	27,909	33,270
Interim Storage	1,000	1,000	0
Strategic Partnership Projects	1,000	1,000	2,000
Strategic Partnership Projects and Revenues	1,000	1,000	2,000
Environment, Health, Safety & Security	400	400	400
Environment, Health, Safety, and Security	400	400	400
Office of Technology Transitions (DA)	1,150	1,150	3,434
Program Direction - Defense Environmental Cleanup	9,804	9,804	10,284
Program Direction - OCED	0	0	250
Total Idaho Operations Office	288,848	279,174	320,951

DEPARTMENT OF ENERGY
Laboratory Table
Kansas City National Security Complex (KCNSC) FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Kansas City National Security Complex (KCNSC)			
B61-12 LEP	275,000	241,607	250,821
W88 ALT 370	109,310	76,846	44,500
W80-4 LEP	166,147	163,131	207,889
W87-1 Modification Program	40,000	43,124	92,294
W93 Program	2,000	2,000	10,000
Stockpile Major Modernization	592,457	526,708	605,504
Stockpile Sustainment	130,650	132,703	166,380
Weapons Dismantlement and Disposition	100	400	350
Production Operations	85,848	91,013	113,419
Nuclear Enterprise Assurance	0	0	8,173
Stockpile Management	809,055	750,824	893,826
Enterprise Plutonium Support	8,968	7,993	12,798
Plutonium Modernization	8,968	7,993	12,798
Primary Capability Modernization	8,968	7,993	12,798
Uranium Modernization	0	0	560
Secondary Capability Modernization	0	0	560
Non-Nuclear Capability Modernization	40,150	46,171	44,311
Total, Non-Nuclear Capability Modernization	40,150	46,171	44,311
Capability Based Investments	14,050	5,697	8,000
Production Modernization	63,168	59,861	65,669
Archiving and Support	100	220	327
Delivery Environments	424	0	0
Aging and Lifetimes	2,137	2,784	2,500
Stockpile Responsiveness	5,393	5,498	5,246
Advanced Certification and Qualification	3,030	2,900	2,756
Engineering and Integrated Assessments	11,084	11,402	10,829
Surety Technologies	3,217	4,000	4,400
Weapon Technology Development	4,210	4,097	4,067
Advanced Manufacturing Development	18,959	19,311	19,379
Weapons Technology and Manufacturing Maturation	26,386	27,408	27,846
Advanced Simulation and Computing	3,500	3,500	3,500
Advanced Simulation & Computing	3,500	3,500	3,500
Stockpile Research, Technology, and Engineering	40,970	42,310	42,175
Operations of Facilities	108,654	110,000	95,000
Safety and Environmental Operations	7,257	9,014	3,379
Maintenance and Repair of Facilities	32,101	35,000	22,000
Infrastructure and Safety	36,414	48,815	64,595
Recapitalization	36,414	48,815	64,595
Operating	184,426	202,829	184,974
Infrastructure and Operations	184,426	202,829	184,974
STA Operations and Equipment	28,329	37,597	49,521
Secure Transportation Asset	28,329	37,597	49,521
Operations and Maintenance - DNS	17,560	17,560	22,303
Defense Nuclear Security (DNS)	17,560	17,560	22,303
Information Technology and Cyber Security	27,014	25,165	18,130
Material Disposition	3,777	3,500	4,030
Material Management and Minimization	3,777	3,500	4,030
International Nuclear Security	60	0	62

DEPARTMENT OF ENERGY
Laboratory Table
 Kansas City National Security Complex (KCNSC) FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Global Material Security	60	0	62
Proliferation Detection R&D	1,050	1,000	1,181
Defense Nuclear Nonproliferation R&D	1,050	1,000	1,181
Counterterrorism and Counterproliferation	34,093	30,769	44,443
Nuclear Counterterrorism & Incident Response	34,093	30,769	44,443
Program Direction - National Nuclear Security Administration	110	110	110
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Total Kansas City National Security Complex (KCNSC)	1,209,622	1,171,535	1,326,434

DEPARTMENT OF ENERGY
Laboratory Table
 Kansas City Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Kansas City Site Office			
Information Technology and Cyber Security	148	156	425
Nonproliferation & Arms Control	2,960	2,960	3,753
Nonproliferation Stewardship Program	0	200	0
Defense Nuclear Nonproliferation R&D	0	200	0
Program Direction - National Nuclear Security Administration	7,340	8,030	9,664
Total Kansas City Site Office	10,448	11,346	13,842

DEPARTMENT OF ENERGY
Laboratory Table
 Knolls Atomic Power Laboratory FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Knolls Atomic Power Laboratory			
Naval Reactors Development	210,505	210,505	260,688
Columbia-Class Reactor Systems Development	49,672	49,672	43,656
S8G Prototype Refueling	131,374	131,374	20,000
Naval Reactors Operations and Infrastructure	254,125	254,125	326,316
21-D-530 KL Steam and Condensate Upgrades	4,000	4,000	0
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	5,051	5,051	3,290
Construction - Naval Reactors	9,051	9,051	3,290
Total Knolls Atomic Power Laboratory	654,727	654,727	653,950

DEPARTMENT OF ENERGY
Laboratory Table
Lawrence Berkeley National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Lawrence Berkeley National Laboratory			
Surety Technologies	250	0	0
Weapons Technology and Manufacturing Maturation	250	0	0
Stockpile Research, Technology, and Engineering	250	0	0
Information Technology and Cyber Security	643	231	572
Nonproliferation & Arms Control	784	784	995
Proliferation Detection R&D	8,055	13,600	9,057
Forensics R&D	50	120	50
Defense Nuclear Nonproliferation R&D	8,105	13,720	9,107
Emergency Operations	637	450	450
Counterterrorism and Counterproliferation	456	0	834
Nuclear Counterterrorism & Incident Response	1,093	450	1,284
Research - Advanced Scientific Computing Research	238,816	220,112	218,226
Advanced Scientific Computing Research	238,816	220,112	218,226
Research - Basic Energy Sciences	147,285	157,516	149,283
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	62,000	75,100	135,000
Construction - Basic Energy Sciences	62,000	75,100	135,000
Basic Energy Sciences	209,285	232,616	284,283
Research - Biological & Environmental Research	166,693	171,224	176,405
Biological and Environmental Research	166,693	171,224	176,405
Research - Fusion Energy Sciences	1,200	1,200	0
Fusion Energy Sciences	1,200	1,200	0
Research - High Energy Physics	71,772	63,450	67,945
High Energy Physics	71,772	63,450	67,945
Operations and Maintenance - Nuclear Physics	23,069	25,591	34,817
Nuclear Physics	23,069	25,591	34,817
Research - Accelerator R&D and Production	0	1,282	430
Accelerator R&D and Production	0	1,282	430
Facilities and Infrastructure (SLI)	0	0	5,500
20-SC-72, Seismic and Safety Modernization, LBNL	5,000	27,500	27,500
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	500	500	23,425
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	20,000	35,000	45,000
Construction - Science Laboratories Infrastructure	25,500	63,000	95,925
Science Laboratories Infrastructure	25,500	63,000	101,425
Safeguards and Security - SC	7,675	7,675	13,450
Vehicle Technologies	16,970	20,480	19,900
Bioenergy Technologies	11,000	11,000	8,500
Hydrogen and Fuel Cells Technologies	6,844	4,600	4,800
Sustainable Transportation	34,814	36,080	33,200
Solar Energy Technologies	134,623	134,623	303,450
Wind Energy Technologies	1,515	2,918	4,340
Geothermal Technologies	1,950	3,550	0
Renewable Power	138,088	141,091	307,790
Advanced Manufacturing	7,656	24,800	32,000
Building Technologies	37,041	37,788	36,859
Federal Energy Management Program (EERE)	4,000	2,000	0
Weatherization Assistance Program (EERE)	24,800	0	0
Training and Technical Assistance (EERE)	75	200	0
State Energy Program Grants (EERE)	475	800	0

DEPARTMENT OF ENERGY
Laboratory Table
Lawrence Berkeley National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Weatherization and Intergovernmental Programs	25,350	1,000	0
Energy Efficiency	74,047	65,588	68,859
Strategic Programs	1,300	0	1,000
Corporate Support	1,300	0	1,000
Transmission Reliability and Resilience	1,657	0	3,050
Resilient Distribution Systems	1,263	0	1,300
Transmission Permitting and Technical Assistance	250	0	0
Infrastructure Security and Energy Restoration	900	900	0
Response and Restoration	0	0	500
Information Sharing, Partnerships and Exercises	0	0	500
Carbon Capture	465	465	0
Carbon Storage	2,115	2,115	0
CCS and Power Systems	2,580	2,580	0
Cross Cutting Research	1,734	1,734	0
Advanced Coal Energy Systems & CCUS	1,734	1,734	0
Advanced Oil and Gas Prod Tech (Unconv FE)	1,672	1,672	0
Materials Recovery and Waste Form Development	33	33	51
Used Nuclear Fuel Disposition R&D	3,500	3,500	3,500
Fuel Cycle Research & Development	3,533	3,533	3,551
Crosscutting Technology Development	74	74	75
Joint Modeling and Simulation Program	200	200	150
Nuclear Energy Enabling Technologies	274	274	225
Strategic Partnership Projects	3,308	3,308	2,250
Strategic Partnership Projects and Revenues	3,308	3,308	2,250
Environment, Health, Safety & Security	0	0	50
Environment, Health, Safety, and Security	0	0	50
Office of Technology Transitions (DA)	105	105	0
Small Sites - NDEC	30,100	30,100	0
Grid Planning & Development	0	0	2,000
Grid Technical Assistance	0	0	3,000
Wholesale Electricity Market TA & Grants	0	0	4,300
Interregional & Offshore Transmission Planning	0	0	2,500
Total Lawrence Berkeley National Laboratory	1,050,510	1,088,300	1,343,014

DEPARTMENT OF ENERGY
Laboratory Table
Lawrence Livermore National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Lawrence Livermore National Laboratory			
B61-12 LEP	695	0	0
W80-4 LEP	173,304	198,059	178,050
W87-1 Modification Program	200,000	215,280	213,059
W93 Program	4,000	4,000	3,000
Stockpile Major Modernization	377,999	417,339	394,109
Stockpile Sustainment	83,839	89,193	105,737
Weapons Dismantlement and Disposition	497	2,800	2,000
Production Operations	5,819	5,476	5,748
Nuclear Enterprise Assurance	0	0	5,634
Stockpile Management	468,154	514,808	513,228
Enterprise Plutonium Support	51,361	51,361	56,260
Plutonium Modernization	51,361	51,361	56,260
High Explosives & Energetics	14,000	13,000	17,500
HE & Energetics	14,000	13,000	17,500
Primary Capability Modernization	65,361	64,361	73,760
Uranium Modernization	1,300	1,300	2,500
Depleted Uranium Modernization	3,000	6,209	12,000
Lithium Modernization	0	0	2,500
Secondary Capability Modernization	4,300	7,509	17,000
Tritium Sustainment and Modernization	38	40	40
Tritium and Domestic Uranium Enrichment	38	40	40
Non-Nuclear Capability Modernization	2,050	435	370
Total, Non-Nuclear Capability Modernization	2,050	435	370
Capability Based Investments	33,030	27,720	30,000
Production Modernization	104,779	100,065	121,170
Primary Assessment Technologies	46,800	76,988	50,661
Dynamic Materials Properties	39,109	39,109	42,600
Advanced Diagnostics	11,220	10,320	9,240
Secondary Assessment Technologies	37,502	37,102	34,650
Enhanced Capabilities for Subcritical Experiments	44,958	67,734	106,110
Hydrodynamic and Subcritical Experiment Execution Support	28,750	28,750	32,100
Assessment Science	208,339	260,003	275,361
Archiving and Support	14,550	13,885	13,456
Delivery Environments	12,650	11,000	10,972
Weapons Survivability	17,323	13,500	13,987
Studies and Assessments	0	0	2,093
Aging and Lifetimes	16,393	14,000	14,300
Stockpile Responsiveness	19,040	17,733	16,921
Advanced Certification and Qualification	17,000	19,000	18,055
Engineering and Integrated Assessments	96,956	89,118	89,784
Inertial Confinement Fusion	349,000	349,000	335,807
Surety Technologies	9,750	9,058	8,500
Weapon Technology Development	11,150	6,250	6,205
Advanced Manufacturing Development	19,149	16,491	20,179
Weapons Technology and Manufacturing Maturation	40,049	31,799	34,884
Advanced Simulation and Computing	178,024	178,024	194,959
18-D-620, Exascale Computing Facility Modernization Project, LLNL	29,200	29,200	0
Advanced Simulation & Computing	207,224	207,224	194,959

DEPARTMENT OF ENERGY
Laboratory Table
Lawrence Livermore National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Stockpile Research, Technology, and Engineering	901,568	937,144	930,795
Operations of Facilities	82,087	80,000	82,000
Safety and Environmental Operations	36,777	32,744	37,871
Maintenance and Repair of Facilities	37,483	35,000	37,000
Infrastructure and Safety	113,584	82,734	93,410
Recapitalization	113,584	82,734	93,410
Operating	269,931	230,478	250,281
22-D-514 Digital Infrastructure Capability Expansion, LLNL	0	0	67,300
15-D-612, Emergency Operations Center, LLNL	27,000	27,000	0
Mission Enabling Construction	27,000	27,000	67,300
I&O - Construction	27,000	27,000	67,300
Infrastructure and Operations	296,931	257,478	317,581
Operations and Maintenance - DNS	69,430	69,430	80,238
Defense Nuclear Security (DNS)	69,430	69,430	80,238
Information Technology and Cyber Security	30,792	29,734	44,264
Conversion	500	0	0
Nuclear Material Removal	0	200	0
Material Disposition	0	100	100
Material Management and Minimization	500	300	100
International Nuclear Security	4,515	9,487	4,642
Radiological Security	5,059	6,041	4,504
Nuclear Smuggling Detection and Deterrence	4,117	2,000	4,190
Global Material Security	13,691	17,528	13,336
Nonproliferation & Arms Control	24,450	24,450	31,001
Proliferation Detection R&D	29,497	28,187	33,163
Nuclear Detonation Detection	22,742	17,042	23,397
Forensics R&D	11,643	10,119	11,643
Nonproliferation Stewardship Program	6,950	12,500	13,049
Defense Nuclear Nonproliferation R&D	70,832	67,848	81,252
NNSA Bioassurance Program	0	0	5,000
Counterterrorism and Counterproliferation	75,787	69,232	81,120
Nuclear Counterterrorism & Incident Response	75,787	69,232	81,120
Program Direction - National Nuclear Security Administration	762	1,580	1,580
Research - Advanced Scientific Computing Research	5,254	3,490	6,722
Advanced Scientific Computing Research	5,254	3,490	6,722
Research - Basic Energy Sciences	2,091	2,091	2,091
Basic Energy Sciences	2,091	2,091	2,091
Research - Biological & Environmental Research	28,095	28,095	31,082
Biological and Environmental Research	28,095	28,095	31,082
Research - Fusion Energy Sciences	9,765	9,201	6,482
Fusion Energy Sciences	9,765	9,201	6,482
Research - High Energy Physics	3,665	2,271	2,275
High Energy Physics	3,665	2,271	2,275
Operations and Maintenance - Nuclear Physics	1,607	1,807	1,784
Nuclear Physics	1,607	1,807	1,784
Research - Accelerator R&D and Production	0	258	93
Accelerator R&D and Production	0	258	93
Vehicle Technologies	4,416	2,325	2,790
Bioenergy Technologies	1,650	1,650	1,250
Hydrogen and Fuel Cells Technologies	1,091	2,000	2,000

DEPARTMENT OF ENERGY
Laboratory Table
Lawrence Livermore National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Sustainable Transportation	7,157	5,975	6,040
Solar Energy Technologies	31,848	31,848	43,970
Wind Energy Technologies	1,040	1,746	2,979
Geothermal Technologies	350	0	0
Renewable Power	33,238	33,594	46,949
Advanced Manufacturing	7,716	5,000	10,000
Building Technologies	128	178	178
Energy Efficiency	7,844	5,178	10,178
Strategic Programs	0	300	300
Corporate Support	0	300	300
Transmission Reliability and Resilience	6,319	0	2,650
Energy Delivery Grid Operations Technology	0	0	8,000
Resilient Distribution Systems	996	0	900
Cybersecurity for Energy Delivery Systems	4,000	4,000	0
Infrastructure Security and Energy Restoration	3,500	3,500	0
Risk Management Technology and Tools	0	0	5,000
Response and Restoration	0	0	1,800
Information Sharing, Partnerships and Exercises	0	0	2,000
Carbon Capture	720	720	0
Carbon Storage	2,000	2,000	0
CCS and Power Systems	2,720	2,720	0
Cross Cutting Research	306	306	0
Advanced Coal Energy Systems & CCUS	306	306	0
Advanced Oil and Gas Prod Tech (Unconv FE)	1,000	1,000	0
Natural Gas Technologies Research	500	500	0
LWR Sustainability	307	307	0
Reactor Concepts RD&D	307	307	0
Accident Tolerant Fuels	345	345	376
Used Nuclear Fuel Disposition R&D	550	550	550
Fuel Cycle Research & Development	895	895	926
Crosscutting Technology Development	208	208	200
Nuclear Energy Enabling Technologies	208	208	200
Environment, Health, Safety & Security	3,050	3,050	3,050
Environment, Health, Safety, and Security	3,050	3,050	3,050
Office of Technology Transitions (DA)	55	55	0
Lawrence Livermore National Laboratory (LLNL)	1,764	1,764	1,842
LLNL Excess Facilities D&D	35,000	35,000	12,004
NNSA Sites and Nevada Off-Sites	36,764	36,764	13,846
Total Lawrence Livermore National Laboratory	2,217,012	2,235,162	2,373,033

DEPARTMENT OF ENERGY
Laboratory Table
 Lexington Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Lexington Office			
Environment, Health, Safety & Security	200	200	200
Environment, Health, Safety, and Security	200	200	200
Total Lexington Office	200	200	200

DEPARTMENT OF ENERGY
Laboratory Table
 Livermore Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Livermore Site Office			
Infrastructure and Safety	0	0	1,000
Recapitalization	0	0	1,000
Operating	0	0	1,000
Infrastructure and Operations	0	0	1,000
Program Direction - National Nuclear Security Administration	17,112	17,516	18,241
Advanced Reactor Technologies	50	50	25
Reactor Concepts RD&D	50	50	25
Total Livermore Site Office	17,162	17,566	19,266

DEPARTMENT OF ENERGY
Laboratory Table
Los Alamos National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Los Alamos National Laboratory			
B61-12 LEP	59,500	45,556	37,661
W88 ALT 370	31,319	9,798	10,457
W80-4 LEP	67,893	66,350	27,572
W87-1 Modification Program	15,000	17,327	18,432
W93 Program	18,000	18,000	79,000
Stockpile Major Modernization	191,712	157,031	173,122
Stockpile Sustainment	176,498	189,536	263,258
Weapons Dismantlement and Disposition	497	2,800	2,000
Production Operations	45,883	46,228	48,457
Nuclear Enterprise Assurance	0	0	5,236
Stockpile Management	414,590	395,595	492,073
Los Alamos Plutonium Operations	580,599	601,576	750,871
21-D-512, Plutonium Pit Production Project, LANL	226,000	224,000	588,234
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	29,500	29,250	30,002
07-D-220-04, Transuranic Liquid Waste Facility, LANL	36,187	0	24,759
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	167,127	167,127	162,012
Los Alamos Plutonium Modernization	1,039,413	1,021,953	1,555,878
Plutonium Modernization	1,039,413	1,021,953	1,555,878
High Explosives & Energetics	10,800	12,000	15,500
23-D-516, Energetic Materials Characterization Facility, LANL	0	0	19,000
HE & Energetics	10,800	12,000	34,500
Primary Capability Modernization	1,050,213	1,033,953	1,590,378
Uranium Modernization	3,450	3,450	9,100
Depleted Uranium Modernization	3,314	9,142	8,400
Lithium Modernization	0	0	1,000
Secondary Capability Modernization	6,764	12,592	18,500
Tritium Sustainment and Modernization	38	2,040	2,100
Tritium and Domestic Uranium Enrichment	38	2,040	2,100
Non-Nuclear Capability Modernization	0	800	874
Total, Non-Nuclear Capability Modernization	0	800	874
Capability Based Investments	17,110	19,479	21,000
Planning for Programmatic Construction (Pre-CD-1)	2,500	0	0
Production Modernization	1,076,625	1,068,864	1,632,852
Primary Assessment Technologies	76,988	46,800	82,043
Dynamic Materials Properties	35,400	35,400	35,860
Advanced Diagnostics	5,400	5,400	5,400
Secondary Assessment Technologies	30,450	30,050	26,653
Enhanced Capabilities for Subcritical Experiments	59,797	73,971	78,923
Hydrodynamic and Subcritical Experiment Execution Support	67,494	67,494	52,192
Assessment Science	275,529	259,115	281,071
Archiving and Support	17,061	16,600	16,251
Delivery Environments	11,078	11,250	11,221
Weapons Survivability	13,505	13,500	13,983
Studies and Assessments	0	0	750
Aging and Lifetimes	17,572	17,000	17,200
Stockpile Responsiveness	19,712	19,233	18,353
Advanced Certification and Qualification	24,803	22,700	21,571
Engineering and Integrated Assessments	103,731	100,283	99,329
Inertial Confinement Fusion	20,000	20,000	20,000
Surety Technologies	13,793	12,900	14,000
Weapon Technology Development	30,616	27,115	26,918

DEPARTMENT OF ENERGY
Laboratory Table
Los Alamos National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Advanced Manufacturing Development	25,996	27,547	27,118
Weapons Technology and Manufacturing Maturation	70,405	67,562	68,036
Advanced Simulation and Computing	184,054	184,054	189,250
Advanced Simulation & Computing	184,054	184,054	189,250
Stockpile Research, Technology, and Engineering	653,719	631,014	657,686
Operations of Facilities	304,471	288,500	325,000
Safety and Environmental Operations	18,820	17,464	17,321
Maintenance and Repair of Facilities	149,873	145,000	156,000
Infrastructure and Safety	128,678	81,148	96,386
Recapitalization	128,678	81,148	96,386
Operating	601,842	532,112	594,707
23-D-518 Plutonium Modernization Operations & Waste Management Office Bldg, LANL	0	0	48,500
23-D-517 Electrical Power Capacity Upgrade, LANL	0	0	24,000
Mission Enabling Construction	0	0	72,500
I&O - Construction	0	0	72,500
Infrastructure and Operations	601,842	532,112	667,207
Operations and Maintenance - DNS	117,360	117,360	136,212
Defense Nuclear Security (DNS)	117,360	117,360	136,212
Information Technology and Cyber Security	20,290	19,165	22,545
Conversion	450	1,495	934
Nuclear Material Removal	800	750	200
Material Disposition	74,075	62,573	102,695
Laboratory and Partnership Support	1,325	0	0
Material Management and Minimization	76,650	64,818	103,829
International Nuclear Security	2,153	3,456	2,213
Radiological Security	93,556	24,475	83,292
Nuclear Smuggling Detection and Deterrence	10,107	10,000	10,286
Global Material Security	105,816	37,931	95,791
Nonproliferation & Arms Control	22,304	22,304	48,280
Proliferation Detection R&D	35,689	36,479	40,124
Nuclear Detonation Detection	88,660	95,852	91,214
Forensics R&D	10,565	10,196	10,565
Nonproliferation Stewardship Program	450	0	2,463
Defense Nuclear Nonproliferation R&D	135,364	142,527	144,366
NNSA Bioassurance Program	0	0	5,000
Counterterrorism and Counterproliferation	65,804	66,507	80,186
Nuclear Counterterrorism & Incident Response	65,804	66,507	80,186
Research - Advanced Scientific Computing Research	4,096	1,469	1,782
Advanced Scientific Computing Research	4,096	1,469	1,782
Research - Basic Energy Sciences	20,646	22,787	21,320
Basic Energy Sciences	20,646	22,787	21,320
Research - Biological & Environmental Research	32,230	32,230	34,667
Biological and Environmental Research	32,230	32,230	34,667
Research - Fusion Energy Sciences	1,700	1,700	300
Fusion Energy Sciences	1,700	1,700	300
Research - High Energy Physics	3,177	1,650	1,890
High Energy Physics	3,177	1,650	1,890
Operations and Maintenance - Nuclear Physics	8,259	8,752	9,039
Nuclear Physics	8,259	8,752	9,039
Research - Accelerator R&D and Production	0	50	0
Accelerator R&D and Production	0	50	0
Safeguards and Security - SC	248	248	0

DEPARTMENT OF ENERGY
Laboratory Table
Los Alamos National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Bioenergy Technologies	6,800	6,800	6,000
Hydrogen and Fuel Cells Technologies	4,940	4,500	5,000
Sustainable Transportation	11,740	11,300	11,000
Solar Energy Technologies	21,686	21,686	40,350
Wind Energy Technologies	365	440	1,046
Geothermal Technologies	250	12	0
Renewable Power	22,301	22,138	41,396
Transmission Reliability and Resilience	3,926	0	3,250
Energy Delivery Grid Operations Technology	0	0	4,500
Resilient Distribution Systems	1,281	0	1,300
Cybersecurity for Energy Delivery Systems	350	350	0
Risk Management Technology and Tools	0	0	500
Carbon Capture	1,264	1,264	0
Carbon Storage	2,794	2,794	0
CCS and Power Systems	4,058	4,058	0
Advanced Energy Systems	128	128	0
Cross Cutting Research	306	306	0
Advanced Coal Energy Systems & CCUS	434	434	0
Advanced Oil and Gas Prod Tech (Unconv FE)	1,279	1,279	0
Advanced Reactor Technologies	2,452	2,452	3,500
Reactor Concepts RD&D	2,452	2,452	3,500
Accident Tolerant Fuels	4,230	4,230	4,606
Fuel Cycle Laboratory R&D	2,000	2,000	4,660
HALEU Availability	0	0	5,745
Used Nuclear Fuel Disposition R&D	3,400	3,400	3,400
Fuel Cycle Research & Development	9,630	9,630	18,411
Crosscutting Technology Development	352	352	400
Joint Modeling and Simulation Program	2,128	2,128	3,000
Nuclear Science User Facilities	252	252	300
Nuclear Energy Enabling Technologies	2,732	2,732	3,700
Risk Reduction for Future Demonstration	0	0	200
Advanced Reactors Safeguards	500	500	400
Advanced Reactors Demonstration Program	500	500	600
Environment, Health, Safety & Security	95	95	95
Environment, Health, Safety, and Security	95	95	95
Office of Technology Transitions (DA)	55	55	0
Los Alamos National Laboratory (LANL)	226,000	226,000	286,316
Los Alamos Excess Facilities D&D	0	0	40,519
NNSA Sites and Nevada Off-Sites	226,000	226,000	326,835
Safeguards and Security - Defense Environmental Cleanup	0	0	5,000
Total Los Alamos National Laboratory	3,647,553	3,448,106	4,575,112

DEPARTMENT OF ENERGY
Laboratory Table
 Los Alamos Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Los Alamos Site Office			
Information Technology and Cyber Security	63	77	60
Program Direction - National Nuclear Security Administration	17,001	17,397	20,669
Transformational Challenge Reactor	269	269	0
Nuclear Energy Enabling Technologies	269	269	0
Total Los Alamos Site Office	17,333	17,743	20,729

DEPARTMENT OF ENERGY
Laboratory Table
 Miamisburg Site FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Miamisburg Site			
Environment, Health, Safety & Security	5	5	5
Environment, Health, Safety, and Security	5	5	5
Total Miamisburg Site	5	5	5

DEPARTMENT OF ENERGY

Laboratory Table
Moab Site FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Moab Site			
Small Sites - NDEC	47,833	47,833	67,000
Total Moab Site	47,833	47,833	67,000

DEPARTMENT OF ENERGY
Laboratory Table
Mound Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Mound Site			
Legacy Management Activities - Defense	12,738	12,738	12,083
Legacy Management	12,738	12,738	12,083
Total Mound Site	12,738	12,738	12,083

DEPARTMENT OF ENERGY
Laboratory Table
National Energy Technology Lab FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
National Energy Technology Lab			
B61-12 LEP	5,700	0	0
W88 ALT 370	3,526	5,462	0
W80-4 LEP	10,000	11,900	0
W87-1 Modification Program	5,807	6,262	0
W93 Program	0	500	0
Stockpile Major Modernization	25,033	24,124	0
Stockpile Sustainment	11,755	10,823	9,471
Production Operations	5,325	6,926	0
Stockpile Management	42,113	41,873	9,471
Los Alamos Plutonium Operations	2,000	0	0
Los Alamos Plutonium Modernization	2,000	0	0
Enterprise Plutonium Support	2,000	5,000	5,500
Plutonium Modernization	4,000	5,000	5,500
Primary Capability Modernization	4,000	5,000	5,500
Uranium Modernization	500	500	500
Depleted Uranium Modernization	0	500	0
Lithium Modernization	500	500	500
Secondary Capability Modernization	1,000	1,500	1,000
Tritium Sustainment and Modernization	2,615	0	2,600
Tritium and Domestic Uranium Enrichment	2,615	0	2,600
Non-Nuclear Capability Modernization	2,400	3,078	3,367
Total, Non-Nuclear Capability Modernization	2,400	3,078	3,367
Production Modernization	10,015	9,578	12,467
Archiving and Support	230	592	378
Delivery Environments	307	305	251
Weapons Survivability	588	373	478
Aging and Lifetimes	1,121	215	193
Stockpile Responsiveness	397	398	327
Advanced Certification and Qualification	505	413	327
Engineering and Integrated Assessments	3,148	2,296	1,954
Surety Technologies	1,736	1,903	1,166
Weapon Technology Development	320	227	583
Advanced Manufacturing Development	4,438	765	593
Weapons Technology and Manufacturing Maturation	6,494	2,895	2,342
Advanced Simulation and Computing	0	0	250
Advanced Simulation & Computing	0	0	250
Stockpile Research, Technology, and Engineering	9,642	5,191	4,546
Safety and Environmental Operations	150	0	0
Operating	150	0	0
Infrastructure and Operations	150	0	0
Material Disposition	650	750	720
Material Management and Minimization	650	750	720
International Nuclear Security	763	500	784
Global Material Security	763	500	784
Nonproliferation & Arms Control	104	104	131
Program Direction - National Nuclear Security Administration	1,269	113	113
Vehicle Technologies	170,560	145,000	362,421
Bioenergy Technologies	800	800	750

DEPARTMENT OF ENERGY
Laboratory Table
National Energy Technology Lab FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Hydrogen and Fuel Cells Technologies	4,000	16,100	16,100
Sustainable Transportation	175,360	161,900	379,271
Geothermal Technologies	30,553	0	25,000
Renewable Power	30,553	0	25,000
Building Technologies	14,295	3,548	4,790
Energy Efficiency	14,295	3,548	4,790
Program Direction - Energy Efficiency and Renewable Energy	10,928	11,472	22,874
Strategic Programs	1,500	0	0
Corporate Support	12,428	11,472	22,874
Transmission Reliability and Resilience	250	0	2,000
Energy Delivery Grid Operations Technology	0	0	500
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	1,900
Program Direction - Electricity	1,469	2,610	1,435
Cybersecurity for Energy Delivery Systems	42,000	42,000	0
Infrastructure Security and Energy Restoration	3,800	3,800	0
Risk Management Technology and Tools	0	0	55,000
Response and Restoration	0	0	2,000
Information Sharing, Partnerships and Exercises	0	0	2,300
Program Direction - CESER	2,000	2,000	5,000
Carbon Capture	8,562	8,562	0
Carbon Utilization	4,365	4,365	0
Carbon Storage	15,509	15,509	0
STEP Supercritical CO2	14,500	14,500	0
Transformational Coal Pilots	10,000	10,000	0
CCS and Power Systems	52,936	52,936	0
Advanced Energy Systems	20,994	20,994	0
Cross Cutting Research	18,731	18,731	0
Advanced Coal Energy Systems & CCUS	39,725	39,725	0
Mineral Sustainability	7,357	7,357	0
Carbon Dioxide Removal	1,000	1,000	0
Advanced Oil and Gas Prod Tech (Unconv FE)	38,489	38,489	0
Natural Gas Technologies Research	25,000	25,000	0
NETL Research and Operations - Fossil Energy	83,000	83,000	0
NETL Infrastructure - Fossil Energy	55,000	55,000	0
Program Direction - Fossil Energy Field	27,780	27,780	0
Strategic Petroleum Reserve (SPR)	488	488	300
LWR Sustainability	117	117	0
Advanced Reactor Technologies	100	100	0
Reactor Concepts RD&D	217	217	0
Crosscutting Technology Development	209	209	210
Nuclear Energy Enabling Technologies	209	209	210
Strategic Partnership Projects	150	150	150
Strategic Partnership Projects and Revenues	150	150	150
Legacy Management Activities - Defense	2,403	2,403	1,976
Legacy Management	2,403	2,403	1,976
Loan Guarantee Program	136	720	720
Program Direction - OCED	0	0	3,050
Program Direction - Grid Deployment Office	0	0	451
Total National Energy Technology Lab	680,751	619,913	537,159

DEPARTMENT OF ENERGY
Laboratory Table
National Renewable Energy Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
National Renewable Energy Laboratory			
Research - Basic Energy Sciences	5,742	5,742	5,742
Basic Energy Sciences	5,742	5,742	5,742
Research - Biological & Environmental Research	3,877	3,877	3,760
Biological and Environmental Research	3,877	3,877	3,760
Vehicle Technologies	34,550	38,460	44,525
Bioenergy Technologies	63,600	63,000	42,500
Hydrogen and Fuel Cells Technologies	15,236	18,500	21,500
Sustainable Transportation	113,386	119,960	108,525
Renewable Energy Grid Integration	0	0	10,000
Wind Energy Technologies	36,164	38,420	103,590
Water Power Technologies	18,606	17,850	21,633
Geothermal Technologies	1,416	12,985	3,000
Renewable Power	56,186	69,255	138,223
Advanced Manufacturing	10,707	4,500	5,500
Building Technologies	33,120	27,510	26,000
Federal Energy Management Program (EERE)	9,000	8,150	0
Weatherization Assistance Program (EERE)	1,000	0	0
Training and Technical Assistance (EERE)	1,800	1,000	0
State Energy Program Grants (EERE)	475	1,200	0
Weatherization and Intergovernmental Programs	3,275	2,200	0
Energy Efficiency	56,102	42,360	31,500
Strategic Programs	5,500	2,000	6,385
Facilities and Infrastructure - NREL	130,000	130,000	210,100
21-EE-001, Energy Materials Processing at Scale (EMAPS)	0	0	60,000
23-TBD, South Table Mountain (STM) Carbon Free District Heating/Cooling	0	0	31,500
Facilities and Infrastructure	130,000	130,000	301,600
Corporate Support	135,500	132,000	307,985
Transmission Reliability and Resilience	4,615	0	1,600
Energy Delivery Grid Operations Technology	0	0	1,000
Resilient Distribution Systems	5,350	0	5,300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	3,000
Energy Storage R&D	208	0	100
Energy Storage	208	0	100
Transformer Resilience and Advanced Components	0	0	1,000
Transmission Permitting and Technical Assistance	3,725	0	0
Cybersecurity for Energy Delivery Systems	2,200	2,200	0
Infrastructure Security and Energy Restoration	600	600	0
Risk Management Technology and Tools	0	0	2,900
Response and Restoration	0	0	300
Information Sharing, Partnerships and Exercises	0	0	500
Carbon Utilization	2,250	2,250	0
CCS and Power Systems	2,250	2,250	0
Cross Cutting Research	306	306	0
Advanced Coal Energy Systems & CCUS	306	306	0
Crosscutting Technology Development	142	142	142
Nuclear Energy Enabling Technologies	142	142	142
Strategic Partnership Projects	500	500	500
Strategic Partnership Projects and Revenues	500	500	500

DEPARTMENT OF ENERGY
Laboratory Table
National Renewable Energy Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Office of Technology Transitions (DA)	1,378	1,378	0
Loan Guarantee Program	405	0	0
Administrative Expenses - Tribal Energy Loan Guarantee Program	45	0	0
Grid Planning & Development	0	0	5,500
Grid Technical Assistance	0	0	2,000
Total National Renewable Energy Laboratory	392,517	380,570	619,577

DEPARTMENT OF ENERGY
Laboratory Table
 Naval Petroleum Reserve No 1 FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Naval Petroleum Reserve No 1			
Naval Petroleum and Oil Shale Reserve	11,000	11,000	11,004
Total Naval Petroleum Reserve No 1	11,000	11,000	11,004

DEPARTMENT OF ENERGY
Laboratory Table
 Naval Reactors Facility FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Naval Reactors Facility			
Naval Reactors Development	14,534	14,534	115,459
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	310,587	310,587	387,541
Construction - Naval Reactors	310,587	310,587	387,541
Total Naval Reactors Facility	325,121	325,121	503,000

DEPARTMENT OF ENERGY
Laboratory Table
 Naval Reactors Laboratory Field Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Naval Reactors Laboratory Field Office			
Program Direction - Naval Reactors	20,680	20,680	23,410
Total Naval Reactors Laboratory Field Office	20,680	20,680	23,410

DEPARTMENT OF ENERGY
Laboratory Table
 Naval Research Laboratory FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Naval Research Laboratory			
Secondary Assessment Technologies	2,500	1,000	2,500
Assessment Science	2,500	1,000	2,500
Inertial Confinement Fusion	6,000	6,000	0
Stockpile Research, Technology, and Engineering	8,500	7,000	2,500
Total Naval Research Laboratory	8,500	7,000	2,500

DEPARTMENT OF ENERGY
Laboratory Table
Nevada Field Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Nevada Field Office			
Information Technology and Cyber Security	1,232	1,191	1,335
Program Direction - National Nuclear Security Administration	18,203	16,625	19,821
Program Direction - Nuclear Energy	1,737	1,737	1,897
Environment, Health, Safety & Security	15	15	15
Environment, Health, Safety, and Security	15	15	15
Program Direction - Defense Environmental Cleanup	2,621	2,621	3,161
Total Nevada Field Office	23,808	22,189	26,229

DEPARTMENT OF ENERGY
Laboratory Table
Nevada National Security Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Nevada National Security Site			
Stockpile Sustainment	1,896	1,289	628
Weapons Dismantlement and Disposition	48	0	0
Production Operations	57	0	0
Nuclear Enterprise Assurance	0	0	7,563
Stockpile Management	2,001	1,289	8,191
Enterprise Plutonium Support	13,600	13,200	11,087
Plutonium Modernization	13,600	13,200	11,087
High Explosives & Energetics	900	1,000	3,000
HE & Energetics	900	1,000	3,000
Primary Capability Modernization	14,500	14,200	14,087
Depleted Uranium Modernization	0	200	0
Secondary Capability Modernization	0	200	0
Tritium Sustainment and Modernization	153	150	160
Tritium and Domestic Uranium Enrichment	153	150	160
Non-Nuclear Capability Modernization	0	110	112
Total, Non-Nuclear Capability Modernization	0	110	112
Capability Based Investments	11,820	12,350	15,000
Production Modernization	26,473	27,010	29,359
Primary Assessment Technologies	1,000	1,000	1,500
Dynamic Materials Properties	17,000	12,000	11,000
Advanced Diagnostics	6,600	6,600	6,000
Secondary Assessment Technologies	0	248	0
Enhanced Capabilities for Subcritical Experiments	39,546	44,443	48,099
Hydrodynamic and Subcritical Experiment Execution Support	47,500	47,500	46,900
17-D-640, U1a Complex Enhancements Project, NNSS	152,600	130,000	53,130
Assessment Science	264,246	241,791	166,629
Archiving and Support	3,694	3,354	3,350
Advanced Certification and Qualification	4,462	4,200	3,991
Engineering and Integrated Assessments	8,156	7,554	7,341
Inertial Confinement Fusion	4,000	4,000	4,400
Weapon Technology Development	1,198	1,308	1,299
Weapons Technology and Manufacturing Maturation	1,198	1,308	1,299
Stockpile Research, Technology, and Engineering	277,600	254,653	179,669
Operations of Facilities	105,733	103,000	105,000
Safety and Environmental Operations	4,640	5,979	6,318
Maintenance and Repair of Facilities	64,342	61,000	62,000
Infrastructure and Safety	43,731	53,275	42,050
Recapitalization	43,731	53,275	42,050
Operating	218,446	223,254	215,368
19-D-670, 138kV Power Transmission System Replacement, NNSS	59,000	59,000	0
Mission Enabling Construction	59,000	59,000	0
I&O - Construction	59,000	59,000	0
Infrastructure and Operations	277,446	282,254	215,368
Program Direction - STA - Federal Support	327	7	340
Secure Transportation Asset	327	7	340
Operations and Maintenance - DNS	85,620	85,620	92,051
Defense Nuclear Security (DNS)	85,620	85,620	92,051
Information Technology and Cyber Security	6,297	6,157	29,417

DEPARTMENT OF ENERGY
Laboratory Table
Nevada National Security Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Nuclear Material Removal	0	100	0
Material Management and Minimization	0	100	0
International Nuclear Security	243	0	250
Radiological Security	857	535	763
Global Material Security	1,100	535	1,013
Nonproliferation & Arms Control	296	296	375
Proliferation Detection R&D	14,985	12,500	16,847
Nuclear Detonation Detection	20,139	25,871	20,719
Forensics R&D	120	906	120
Nonproliferation Stewardship Program	8,000	15,800	14,153
Defense Nuclear Nonproliferation R&D	43,244	55,077	51,839
Emergency Operations	21,609	21,609	50
Counterterrorism and Counterproliferation	44,144	41,767	45,467
Nuclear Counterterrorism & Incident Response	65,753	63,376	45,517
Program Direction - National Nuclear Security Administration	150	150	150
Office of Technology Transitions (DA)	25	25	0
Nevada Site	55,672	55,672	58,752
NNSA Sites and Nevada Off-Sites	55,672	55,672	58,752
Total Nevada National Security Site	842,004	832,221	712,041

DEPARTMENT OF ENERGY
Laboratory Table
 Nevada Operations Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Nevada Operations Office			
Nevada Site	5,065	5,065	3,900
NNSA Sites and Nevada Off-Sites	5,065	5,065	3,900
Total Nevada Operations Office	5,065	5,065	3,900

DEPARTMENT OF ENERGY
Laboratory Table
NNSA Albuquerque Complex FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
NNSA Albuquerque Complex			
B61-12 LEP	135,119	258,965	109,596
W88 ALT 370	43,722	86,593	30,424
W80-4 LEP	35,810	27,042	41,451
W87-1 Modification Program	34,430	1,800	12,799
W93 Program	8,337	7,837	24,000
Stockpile Major Modernization	257,418	382,237	218,270
Stockpile Sustainment	47,303	26,585	89,221
Weapons Dismantlement and Disposition	315	1,538	0
Production Operations	22,248	7,500	13,106
Nuclear Enterprise Assurance	0	0	2,369
Stockpile Management	327,284	417,860	322,966
Los Alamos Plutonium Operations	18,993	6,537	5,022
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	500	750	0
07-D-220-04, Transuranic Liquid Waste Facility, LANL	500	36,687	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	300	300	0
Los Alamos Plutonium Modernization	20,293	44,274	5,022
Enterprise Plutonium Support	13,718	10,497	2,066
Plutonium Modernization	34,011	54,771	7,088
Primary Capability Modernization	34,011	54,771	7,088
Tritium Sustainment and Modernization	154,606	102,952	134,492
Tritium and Domestic Uranium Enrichment	154,606	102,952	134,492
Production Modernization	188,617	157,723	141,580
Dynamic Materials Properties	5,000	6,500	6,500
Assessment Science	5,000	6,500	6,500
Archiving and Support	0	575	0
Delivery Environments	0	1,430	0
Weapons Survivability	0	6,667	5,432
Aging and Lifetimes	0	1,892	289
Stockpile Responsiveness	0	385	2,347
Advanced Certification and Qualification	0	430	1,068
Engineering and Integrated Assessments	0	11,379	9,136
Inertial Confinement Fusion	31,000	31,000	31,000
Surety Technologies	0	5,152	2,493
Weapon Technology Development	0	15,717	5,849
Advanced Manufacturing Development	0	4,997	4,596
Weapons Technology and Manufacturing Maturation	0	25,866	12,938
Academic Programs	101,912	101,912	100,499
Advanced Simulation and Computing	206,476	206,476	170,885
Advanced Simulation & Computing	206,476	206,476	170,885
Stockpile Research, Technology, and Engineering	344,388	383,133	330,958
Infrastructure and Safety	341	21,726	0
Recapitalization	341	21,726	0
Operating	341	21,726	0
Infrastructure and Operations	341	21,726	0
STA Operations and Equipment	107,040	98,672	83,532
Program Direction - STA - Federal Support	123,357	123,677	129,730
Secure Transportation Asset	230,397	222,349	213,262
Operations and Maintenance - DNS	7,150	7,150	11,777

DEPARTMENT OF ENERGY
Laboratory Table
NNSA Albuquerque Complex FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Defense Nuclear Security (DNS)	7,150	7,150	11,777
Conversion	287	735	1,000
Nuclear Material Removal	0	3,850	1,000
Laboratory and Partnership Support	37,500	0	0
Material Management and Minimization	37,787	4,585	2,000
International Nuclear Security	11,644	2,295	11,971
Radiological Security	26,084	30,937	23,222
Nuclear Smuggling Detection and Deterrence	73,183	72,750	74,476
Global Material Security	110,911	105,982	109,669
Proliferation Detection R&D	17,500	15,000	19,675
Nuclear Detonation Detection	6,104	11,727	8,088
Forensics R&D	496	0	5,496
Nonproliferation Stewardship Program	14,601	10,100	14,921
Defense Nuclear Nonproliferation R&D	38,701	36,827	48,180
18-D-150, Surplus Plutonium Disposition Project, SRS	1,179	305	0
Nonproliferation Construction	1,179	305	0
Counterterrorism and Counterproliferation	307	0	0
Nuclear Counterterrorism & Incident Response	307	0	0
Legacy Contractor Pensions and Settlement Payments - DNN	14,348	14,348	55,708
Program Direction - National Nuclear Security Administration	6,868	3,596	7,484
Strategic Partnership Projects	8,918	8,918	4,305
Strategic Partnership Projects and Revenues	8,918	8,918	4,305
Enterprise Assessments	150	150	300
Office of Enterprise Assessments	150	150	300
Environment, Health, Safety & Security	1,000	1,000	1,000
Environment, Health, Safety, and Security	1,000	1,000	1,000
Program Direction - Defense Environmental Cleanup	8,281	8,281	8,572
Total NNSA Albuquerque Complex	1,326,627	1,393,933	1,257,761

DEPARTMENT OF ENERGY
Laboratory Table
 NNSA Production Office (NPO) FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
NNSA Production Office (NPO)			
06-D-141, Uranium Processing Facility, Y-12	30,000	16,000	11,000
Secondary Capability Modernization	30,000	16,000	11,000
Production Modernization	30,000	16,000	11,000
Conversion	0	0	50,000
Material Disposition	29,025	5,000	25,146
Material Management and Minimization	29,025	5,000	75,146
Program Direction - National Nuclear Security Administration	27,073	25,927	32,122
Total NNSA Production Office (NPO)	86,098	46,927	118,268

DEPARTMENT OF ENERGY

Laboratory Table

Northeast Gasoline Supply Reserve (NGSR) - South Portland FY 2023

(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Northeast Gasoline Supply Reserve (NGSR) - South Portland			
Northeast Gasoline Supply Reserve	0	0	2,638
Total Northeast Gasoline Supply Reserve (NGSR) - South Portland	0	0	2,638

DEPARTMENT OF ENERGY
Laboratory Table
 Northeast Gasoline Supply Reserve (NGSR) - Revere FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Northeast Gasoline Supply Reserve (NGSR) - Revere			
Northeast Gasoline Supply Reserve	0	0	4,967
Total Northeast Gasoline Supply Reserve (NGSR) - Revere	0	0	4,967

DEPARTMENT OF ENERGY
Laboratory Table
 Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay			
Northeast Gasoline Supply Reserve	0	0	14,110
Total Northeast Gasoline Supply Reserve (NGSR) - Raritan Bay	0	0	14,110

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge Institute for Science & Education FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Oak Ridge Institute for Science & Education			
Information Technology and Cyber Security	0	2,000	0
Nonproliferation & Arms Control	74	74	94
Counterterrorism and Counterproliferation	1,973	3,088	3,134
Nuclear Counterterrorism & Incident Response	1,973	3,088	3,134
Research - Advanced Scientific Computing Research	500	0	0
Advanced Scientific Computing Research	500	0	0
Research - Basic Energy Sciences	28	0	0
Basic Energy Sciences	28	0	0
Research - Biological & Environmental Research	778	778	1,348
Biological and Environmental Research	778	778	1,348
Research - High Energy Physics	170	0	0
High Energy Physics	170	0	0
Operations and Maintenance - Nuclear Physics	0	0	896
Nuclear Physics	0	0	896
Safeguards and Security - SC	2,425	2,425	3,663
Vehicle Technologies	350	350	600
Bioenergy Technologies	650	850	850
Hydrogen and Fuel Cells Technologies	1,000	900	1,000
Sustainable Transportation	2,000	2,100	2,450
Solar Energy Technologies	1,151	1,151	1,590
Geothermal Technologies	630	0	0
Renewable Power	1,781	1,151	1,590
Advanced Manufacturing	6,375	5,560	4,500
Building Technologies	2,300	1,825	2,500
Federal Energy Management Program (EERE)	599	200	0
Training and Technical Assistance (EERE)	100	400	0
State Energy Program Grants (EERE)	965	1,000	0
Weatherization and Intergovernmental Programs	1,065	1,400	0
Energy Efficiency	10,339	8,985	7,000
Strategic Programs	0	300	300
Corporate Support	0	300	300
Program Direction - CESER	750	0	0
University Scholarships and Fellowships	0	0	500
Idaho Sitewide Safeguards & Security (050)	0	100	0
Program Direction - Nuclear Energy	45	45	0
Environment, Health, Safety & Security	1,305	1,305	1,255
Environment, Health, Safety, and Security	1,305	1,305	1,255
Office of Technology Transitions (DA)	220	220	0
Total Oak Ridge Institute for Science & Education	22,388	22,571	22,230

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Oak Ridge National Laboratory			
Domestic Uranium Enrichment	37,849	34,415	62,760
Tritium and Domestic Uranium Enrichment	37,849	34,415	62,760
Capability Based Investments	0	532	0
Production Modernization	37,849	34,947	62,760
Advanced Simulation and Computing	150	150	831
Advanced Simulation & Computing	150	150	831
Stockpile Research, Technology, and Engineering	150	150	831
Safety and Environmental Operations	10,918	10,466	8,900
Operating	10,918	10,466	8,900
Infrastructure and Operations	10,918	10,466	8,900
Conversion	1,375	2,850	2,028
Nuclear Material Removal	6,827	7,275	5,945
Material Disposition	2,947	2,600	4,500
Laboratory and Partnership Support	2,595	0	0
Material Management and Minimization	13,744	12,725	12,473
International Nuclear Security	9,028	13,169	9,281
Radiological Security	18,552	14,786	16,516
Nuclear Smuggling Detection and Deterrence	22,581	11,239	22,980
Global Material Security	50,161	39,194	48,777
Nonproliferation & Arms Control	20,957	20,957	26,572
Proliferation Detection R&D	31,661	32,995	35,595
Nuclear Detonation Detection	433	180	445
Nonproliferation Fuels Development	7,000	1,227	0
Forensics R&D	3,673	3,450	3,673
Nonproliferation Stewardship Program	13,819	12,875	20,242
Defense Nuclear Nonproliferation R&D	56,586	50,727	59,955
NNSA Bioassurance Program	0	0	2,500
Counterterrorism and Counterproliferation	11,415	6,615	9,486
Nuclear Counterterrorism & Incident Response	11,415	6,615	9,486
Research - Advanced Scientific Computing Research	251,854	247,946	251,831
17-SC-20, SC Exascale Computing Project (ECP)	168,945	129,000	77,000
Advanced Scientific Computing Research	420,799	376,946	328,831
Research - Basic Energy Sciences	350,012	341,571	332,791
19-SC-14, Second Target Station (STS), ORNL	29,000	32,000	32,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	52,000	17,000	17,000
Construction - Basic Energy Sciences	81,000	49,000	49,000
Basic Energy Sciences	431,012	390,571	381,791
Research - Biological & Environmental Research	86,641	86,341	86,682
Biological and Environmental Research	86,641	86,341	86,682
Research - Fusion Energy Sciences	27,947	31,947	23,258
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	221,000	240,000
Construction - Fusion Energy Sciences	242,000	221,000	240,000
Fusion Energy Sciences	269,947	252,947	263,258
Research - High Energy Physics	1,253	990	1,410
High Energy Physics	1,253	990	1,410
Operations and Maintenance - Nuclear Physics	15,436	14,832	17,580
Nuclear Physics	15,436	14,832	17,580
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	12,000	0	0

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Construction - Isotope R&D and Production	12,000	0	0
Isotope R&D and Production	12,000	0	0
Research - Accelerator R&D and Production	0	57	0
Accelerator R&D and Production	0	57	0
Oak Ridge Nuclear Operations	26,000	20,000	20,000
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74)	25,000	0	0
19-SC-73, Translational Research Capability, ORNL	22,000	21,500	0
Construction - Science Laboratories Infrastructure	47,000	21,500	0
Science Laboratories Infrastructure	73,000	41,500	20,000
Safeguards and Security - SC	30,166	30,166	38,100
Vehicle Technologies	33,970	37,600	29,310
Bioenergy Technologies	11,900	11,300	9,250
Hydrogen and Fuel Cells Technologies	3,584	3,200	3,600
Sustainable Transportation	49,454	52,100	42,160
Solar Energy Technologies	652	652	900
Wind Energy Technologies	1,954	2,509	5,597
Water Power Technologies	8,258	8,498	8,631
Geothermal Technologies	0	1,000	0
Renewable Power	10,864	12,659	15,128
Advanced Manufacturing	40,329	29,800	25,000
Building Technologies	18,848	37,906	19,000
Federal Energy Management Program (EERE)	4,000	2,000	0
Weatherization Assistance Program (EERE)	825	1,000	0
Training and Technical Assistance (EERE)	400	1,000	0
State Energy Program Grants (EERE)	49	100	0
Weatherization and Intergovernmental Programs	1,274	2,100	0
Energy Efficiency	64,451	71,806	44,000
Transmission Reliability and Resilience	9,208	0	2,350
Energy Delivery Grid Operations Technology	0	0	10,000
Resilient Distribution Systems	13,587	0	12,900
Energy Storage R&D	2,815	0	3,600
Energy Storage	2,815	0	3,600
Transformer Resilience and Advanced Components	6,000	0	16,000
Cybersecurity for Energy Delivery Systems	10,000	10,000	0
Infrastructure Security and Energy Restoration	4,800	4,800	0
Risk Management Technology and Tools	0	0	13,000
Response and Restoration	0	0	2,400
Information Sharing, Partnerships and Exercises	0	0	2,800
Carbon Capture	1,380	1,380	0
Carbon Storage	450	450	0
CCS and Power Systems	1,830	1,830	0
Advanced Energy Systems	878	878	0
Cross Cutting Research	786	786	0
Advanced Coal Energy Systems & CCUS	1,664	1,664	0
Mineral Sustainability	10,325	10,325	0
Carbon Dioxide Removal	900	900	0
Natural Gas Technologies Research	250	250	0
Strategic Petroleum Reserve (SPR)	570	570	570
LWR Sustainability	5,101	5,101	4,000
Advanced Reactor Technologies	2,835	2,835	5,500

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Reactor Concepts RD&D	7,936	7,936	9,500
Materials Recovery and Waste Form Development	942	942	1,442
Accident Tolerant Fuels	6,707	6,707	7,304
Triso Fuel and Graphite Qualification	1,200	3,000	2,200
Fuel Cycle Laboratory R&D	1,500	1,500	3,495
HALEU Availability	0	0	5,745
Used Nuclear Fuel Disposition R&D	8,250	8,250	5,725
Integrated Waste Management System	4,000	4,000	6,000
Fuel Cycle Research & Development	22,599	24,399	31,911
Crosscutting Technology Development	2,069	2,069	3,000
Joint Modeling and Simulation Program	4,210	4,210	3,900
Transformational Challenge Reactor	18,098	18,098	0
Nuclear Energy Enabling Technologies	24,377	24,377	6,900
National Reactor Innovation Center	157	157	1,000
Risk Reduction for Future Demonstration	0	0	2,000
Regulatory Development	2,400	2,400	3,450
Advanced Reactors Safeguards	475	475	500
Advanced Reactors Demonstration Program	3,032	3,032	6,950
ORNL Nuclear Facilities O&M	19,926	19,926	0
Infrastructure	19,926	19,926	0
International Nuclear Energy Cooperation	0	0	250
Program Direction - Nuclear Energy	338	338	0
Strategic Partnership Projects	12,227	12,227	9,750
Strategic Partnership Projects and Revenues	12,227	12,227	9,750
Environment, Health, Safety & Security	1,035	1,035	1,035
Environment, Health, Safety, and Security	1,035	1,035	1,035
Office of Technology Transitions (DA)	55	55	0
Advanced Technology Vehicle Manufacturing Loan Program	50	0	0
U233 Disposition Program	55,000	55,000	47,628
OR Nuclear Facility D&D	254,132	254,132	334,221
Oak Ridge (OR)	309,132	309,132	381,849
Total Oak Ridge National Laboratory	2,129,459	1,939,492	1,982,959

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge National Laboratory Site Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Oak Ridge National Laboratory Site Office			
Program Direction - SC	4,757	4,757	6,955
Advanced SMR R&D	395	395	200
Reactor Concepts RD&D	395	395	200
Total Oak Ridge National Laboratory Site Office	5,152	5,152	7,155

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Oak Ridge Office			
Civilian Nuclear Enrichment	40,000	0	0
Fuel Cycle Research & Development	40,000	0	0
Environment, Health, Safety & Security	2,795	2,795	2,795
Environment, Health, Safety, and Security	2,795	2,795	2,795
Program Direction - Defense Environmental Cleanup	15,026	15,026	17,713
Total Oak Ridge Office	57,821	17,821	20,508

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge Reservation FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Oak Ridge Reservation			
OR Cleanup Disposition	112,471	112,471	62,000
Oak Ridge (OR)	112,471	112,471	62,000
Total Oak Ridge Reservation	112,471	112,471	62,000

DEPARTMENT OF ENERGY
Laboratory Table
Oak Ridge Reservation (Off-Site) FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Oak Ridge Reservation (Off-Site)			
OR Community and Regulatory Support	5,900	5,900	5,300
Oak Ridge (OR)	5,900	5,900	5,300
Total Oak Ridge Reservation (Off-Site)	5,900	5,900	5,300

DEPARTMENT OF ENERGY
Laboratory Table
Office of River Protection FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Office of River Protection			
Waste Treatment Immobilization Plant Commissioning	50,000	50,000	462,700
Rad Liquid Tank Waste Stabilization and Disposition	784,000	784,000	801,100
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project	0	0	4,408
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	786,000	786,000	0
01-D-16D High-Level Waste Facility	25,000	25,000	316,200
01-D-16E Pretreatment Facility	0	0	20,000
Construction - Office of River Protection	811,000	811,000	340,608
Office of River Protection (ORP)	1,645,000	1,645,000	1,604,408
Program Direction - Defense Environmental Cleanup	23,205	23,205	26,909
Total Office of River Protection	1,668,205	1,668,205	1,631,317

DEPARTMENT OF ENERGY
Laboratory Table
Office of Scientific & Technical Information FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Office of Scientific & Technical Information			
Information Technology and Cyber Security	407	319	539
Nuclear Detonation Detection	70	14	72
Defense Nuclear Nonproliferation R&D	70	14	72
Research - Basic Energy Sciences	161	0	0
Basic Energy Sciences	161	0	0
Research - Biological & Environmental Research	285	285	0
Biological and Environmental Research	285	285	0
Operations and Maintenance - Nuclear Physics	0	143	141
Nuclear Physics	0	143	141
Facilities and Infrastructure (SLI)	200	200	200
Science Laboratories Infrastructure	200	200	200
Safeguards and Security - SC	759	759	2,201
Program Direction - SC	10,477	10,477	12,381
Environment, Health, Safety & Security	300	300	300
Environment, Health, Safety, and Security	300	300	300
Total Office of Scientific & Technical Information	12,659	12,497	15,834

DEPARTMENT OF ENERGY
Laboratory Table
Pacific Northwest National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Pacific Northwest National Laboratory			
Nuclear Enterprise Assurance	0	0	3,230
Stockpile Management	0	0	3,230
Uranium Modernization	1,160	1,160	1,500
Depleted Uranium Modernization	225	400	500
Lithium Modernization	550	550	1,000
Secondary Capability Modernization	1,935	2,110	3,000
Tritium Sustainment and Modernization	56,186	64,451	79,840
Tritium and Domestic Uranium Enrichment	56,186	64,451	79,840
Non-Nuclear Capability Modernization	630	777	770
Total, Non-Nuclear Capability Modernization	630	777	770
Production Modernization	58,751	67,338	83,610
Advanced Manufacturing Development	0	900	872
Weapons Technology and Manufacturing Maturation	0	900	872
Stockpile Research, Technology, and Engineering	0	900	872
Safety and Environmental Operations	7,496	5,584	3,595
Operating	7,496	5,584	3,595
Infrastructure and Operations	7,496	5,584	3,595
Conversion	27,281	20,115	15,494
Nuclear Material Removal	175	675	200
Material Disposition	2,900	3,600	1,986
Laboratory and Partnership Support	462	0	0
Material Management and Minimization	30,818	24,390	17,680
International Nuclear Security	36,389	14,680	37,411
Radiological Security	73,644	100,586	65,564
Nuclear Smuggling Detection and Deterrence	50,491	61,236	51,384
Global Material Security	160,524	176,502	154,359
Nonproliferation & Arms Control	18,781	18,781	23,814
Proliferation Detection R&D	23,637	22,030	26,574
Nuclear Detonation Detection	19,166	16,095	19,718
Forensics R&D	4,746	4,438	4,746
Nonproliferation Stewardship Program	450	350	9,962
Defense Nuclear Nonproliferation R&D	47,999	42,913	61,000
NNSA Bioassurance Program	0	0	2,500
18-D-150, Surplus Plutonium Disposition Project, SRS	3,182	2,700	0
Nonproliferation Construction	3,182	2,700	0
Emergency Operations	960	1,326	2,376
Counterterrorism and Counterproliferation	5,954	4,711	4,350
Nuclear Counterterrorism & Incident Response	6,914	6,037	6,726
Program Direction - National Nuclear Security Administration	1,382	1,500	1,500
Research - Advanced Scientific Computing Research	4,635	600	3,664
Advanced Scientific Computing Research	4,635	600	3,664
Research - Basic Energy Sciences	23,694	23,694	23,694
Basic Energy Sciences	23,694	23,694	23,694
Research - Biological & Environmental Research	113,325	121,325	137,632
Biological and Environmental Research	113,325	121,325	137,632
Research - Fusion Energy Sciences	723	723	1,200
Fusion Energy Sciences	723	723	1,200
Research - High Energy Physics	1,995	1,300	1,550

DEPARTMENT OF ENERGY
Laboratory Table
Pacific Northwest National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
High Energy Physics	1,995	1,300	1,550
Operations and Maintenance - Nuclear Physics	0	818	861
Nuclear Physics	0	818	861
Facilities and Infrastructure (SLI)	0	1,600	5,400
18-SC-71, Energy Sciences Capability, PNNL	23,000	0	0
Construction - Science Laboratories Infrastructure	23,000	0	0
Science Laboratories Infrastructure	23,000	1,600	5,400
Safeguards and Security - SC	13,512	13,512	19,958
Vehicle Technologies	16,314	29,260	18,665
Bioenergy Technologies	17,800	17,800	16,000
Hydrogen and Fuel Cells Technologies	6,855	5,800	6,500
Sustainable Transportation	40,969	52,860	41,165
Solar Energy Technologies	5,347	5,347	7,380
Wind Energy Technologies	6,107	5,913	17,493
Water Power Technologies	14,186	19,692	15,911
Geothermal Technologies	700	0	0
Renewable Power	26,340	30,952	40,784
Advanced Manufacturing	1,779	0	0
Building Technologies	23,406	35,670	35,600
Federal Energy Management Program (EERE)	4,157	2,050	0
State Energy Program Grants (EERE)	0	100	0
Weatherization and Intergovernmental Programs	0	100	0
Energy Efficiency	29,342	37,820	35,600
Strategic Programs	350	300	2,000
Corporate Support	350	300	2,000
Transmission Reliability and Resilience	10,103	0	6,850
Energy Delivery Grid Operations Technology	0	0	9,500
Resilient Distribution Systems	17,016	0	16,500
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	2,000
Energy Storage R&D	19,400	0	23,800
20-OE-100 Grid Storage Launchpad	22,968	23,000	0
Construction - Energy Storage	22,968	23,000	0
Energy Storage	42,368	23,000	23,800
Transformer Resilience and Advanced Components	140	0	1,000
Transmission Permitting and Technical Assistance	280	0	0
Cybersecurity for Energy Delivery Systems	1,000	1,000	0
Infrastructure Security and Energy Restoration	11,300	11,300	0
Risk Management Technology and Tools	0	0	1,300
Response and Restoration	0	0	6,000
Information Sharing, Partnerships and Exercises	0	0	6,600
Carbon Capture	2,636	2,636	0
Carbon Storage	1,901	1,901	0
CCS and Power Systems	4,537	4,537	0
Advanced Energy Systems	256	256	0
Cross Cutting Research	456	456	0
Advanced Coal Energy Systems & CCUS	712	712	0
Advanced Oil and Gas Prod Tech (Unconv FE)	500	500	0
Natural Gas Technologies Research	1,000	1,000	0
Advanced Reactor Technologies	780	780	3,075
Reactor Concepts RD&D	780	780	3,075

DEPARTMENT OF ENERGY
Laboratory Table
Pacific Northwest National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Mining, Conversion, and Transportation	450	0	0
Materials Recovery and Waste Form Development	581	581	889
Accident Tolerant Fuels	85	85	93
Fuel Cycle Laboratory R&D	1,000	1,000	2,330
HALEU Availability	0	0	5,745
Used Nuclear Fuel Disposition R&D	7,825	7,825	7,825
Integrated Waste Management System	3,500	3,500	16,000
Fuel Cycle Research & Development	13,441	12,991	32,882
Crosscutting Technology Development	494	494	500
Nuclear Science User Facilities	229	229	350
Nuclear Energy Enabling Technologies	723	723	850
National Reactor Innovation Center	230	230	1,000
Regulatory Development	385	385	400
Advanced Reactors Safeguards	260	260	300
Advanced Reactors Demonstration Program	875	875	1,700
International Nuclear Energy Cooperation	0	0	250
Program Direction - Nuclear Energy	275	275	0
Interim Storage	6,000	6,000	0
Strategic Partnership Projects	0	0	8,645
Strategic Partnership Projects and Revenues	0	0	8,645
Environment, Health, Safety & Security	1,905	1,905	1,905
Environment, Health, Safety, and Security	1,905	1,905	1,905
Office of Technology Transitions (DA)	175	175	0
Grid Planning & Development	0	0	5,500
Grid Technical Assistance	0	0	2,000
Total Pacific Northwest National Laboratory	726,862	697,922	802,751

DEPARTMENT OF ENERGY
Laboratory Table
 Pacific Northwest Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Pacific Northwest Site Office			
Program Direction - SC	5,066	5,066	6,058
Total Pacific Northwest Site Office	5,066	5,066	6,058

DEPARTMENT OF ENERGY
Laboratory Table
 Paducah Gaseous Diffusion Plant FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Paducah Gaseous Diffusion Plant			
Program Direction - Defense Environmental Cleanup	14,357	14,357	15,015
Safeguards and Security - Defense Environmental Cleanup	16,206	16,206	16,206
Gaseous Diffusion Plants	57,580	57,580	63,421
Paducah Gaseous Diffusion Plant (D&D Fund)	240,000	240,000	199,269
Pension and Community and Regulatory Support	2,099	2,099	2,782
Total Paducah Gaseous Diffusion Plant	330,242	330,242	296,693

DEPARTMENT OF ENERGY

Laboratory Table
Pantex Plant FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Pantex Plant			
B61-12 LEP	54,500	62,445	80,731
W88 ALT 370	53,918	49,776	47,730
W80-4 LEP	41,500	41,450	79,050
W87-1 Modification Program	12,000	12,941	19,588
W93 Program	500	500	2,000
Stockpile Major Modernization	162,418	167,112	229,099
Stockpile Sustainment	107,925	102,357	117,994
Weapons Dismantlement and Disposition	38,249	26,601	26,370
Production Operations	120,093	121,227	122,023
Nuclear Enterprise Assurance	0	0	2,760
Stockpile Management	428,685	417,297	498,246
High Explosives & Energetics	17,125	15,000	20,000
HESE OPCs	3,703	3,750	0
21-D-510, HE Synthesis, Formulation, and Production, PX	28,000	30,000	108,000
15-D-301, HE Science & Engineering Facility, PX	43,000	43,000	20,000
HE & Energetics	91,828	91,750	148,000
Primary Capability Modernization	91,828	91,750	148,000
Non-Nuclear Capability Modernization	0	60	65
Total, Non-Nuclear Capability Modernization	0	60	65
Capability Based Investments	9,080	7,170	10,200
Production Modernization	100,908	98,980	158,265
Aging and Lifetimes	2,554	2,998	2,500
Stockpile Responsiveness	4,265	3,975	3,793
Advanced Certification and Qualification	1,500	1,400	1,330
Engineering and Integrated Assessments	8,319	8,373	7,623
Surety Technologies	18	25	0
Weapon Technology Development	251	1,200	1,191
Advanced Manufacturing Development	3,073	3,200	2,000
Weapons Technology and Manufacturing Maturation	3,342	4,425	3,191
Stockpile Research, Technology, and Engineering	11,661	12,798	10,814
Operations of Facilities	76,140	77,000	83,000
Safety and Environmental Operations	26,056	27,468	26,822
Maintenance and Repair of Facilities	111,767	112,000	114,000
Infrastructure and Safety	62,802	58,248	67,714
Recapitalization	62,802	58,248	67,714
Operating	276,765	274,716	291,536
Infrastructure and Operations	276,765	274,716	291,536
STA Operations and Equipment	7,930	8,104	8,302
Secure Transportation Asset	7,930	8,104	8,302
Operations and Maintenance - DNS	143,250	143,250	157,193
Defense Nuclear Security (DNS)	143,250	143,250	157,193
Information Technology and Cyber Security	9,384	8,845	9,803
Material Disposition	6,000	5,800	5,519
Material Management and Minimization	6,000	5,800	5,519
Nonproliferation & Arms Control	503	503	638
Counterterrorism and Counterproliferation	2,606	3,076	3,258
Nuclear Counterterrorism & Incident Response	2,606	3,076	3,258
Environment, Health, Safety & Security	10	10	10

DEPARTMENT OF ENERGY

Laboratory Table
Pantex Plant FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Environment, Health, Safety, and Security	10	10	10
Total Pantex Plant	987,702	973,379	1,143,584

DEPARTMENT OF ENERGY
Laboratory Table
Pinellas Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Pinellas Site			
Legacy Management Activities - Defense	4,535	4,535	4,164
Legacy Management	4,535	4,535	4,164
Total Pinellas Site	4,535	4,535	4,164

DEPARTMENT OF ENERGY
Laboratory Table
Portsmouth Gaseous Diffusion Plant FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Portsmouth Gaseous Diffusion Plant			
Depleted Uranium Modernization	15,000	2,000	30,000
Secondary Capability Modernization	15,000	2,000	30,000
Domestic Uranium Enrichment	28,000	30,000	30,000
Tritium and Domestic Uranium Enrichment	28,000	30,000	30,000
Production Modernization	43,000	32,000	60,000
Legacy Management Activities - Defense	5,000	5,000	4,300
Legacy Management	5,000	5,000	4,300
Safeguards and Security - Defense Environmental Cleanup	16,690	16,690	16,690
Gaseous Diffusion Plants	57,974	57,974	60,017
Portsmouth Gaseous Diffusion Plant (D&D Fund)	367,193	367,193	432,354
20-U-401 On-site Waste Disposal Facility	16,500	16,500	48,040
15-U-408 On-Site Waste Disposal Facility, Portsmouth	46,639	46,639	0
Construction - Uranium D&D Fund	63,139	63,139	48,040
Pension and Community and Regulatory Support	3,868	3,868	2,630
Total Portsmouth Gaseous Diffusion Plant	556,864	545,864	624,031

DEPARTMENT OF ENERGY
Laboratory Table
Princeton Plasma Physics Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Princeton Plasma Physics Laboratory			
Proliferation Detection R&D	760	460	855
Defense Nuclear Nonproliferation R&D	760	460	855
Research - Advanced Scientific Computing Research	400	0	0
Advanced Scientific Computing Research	400	0	0
Research - Fusion Energy Sciences	65,015	65,015	55,337
Fusion Energy Sciences	65,015	65,015	55,337
21-SC-71, Princeton Plasma Innovation Center, PPPL	150	900	10,000
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	150	2,000	4,000
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	13,000	6,400	0
Construction - Science Laboratories Infrastructure	13,300	9,300	14,000
Science Laboratories Infrastructure	13,300	9,300	14,000
Safeguards and Security - SC	3,358	3,358	6,405
Total Princeton Plasma Physics Laboratory	82,833	78,133	76,597

DEPARTMENT OF ENERGY
Laboratory Table
 Princeton Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Princeton Site Office			
Program Direction - SC	1,991	1,991	2,190
Total Princeton Site Office	1,991	1,991	2,190

DEPARTMENT OF ENERGY
Laboratory Table
Richland Operations Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Richland Operations Office			
Counterterrorism and Counterproliferation	2,914	2,105	2,788
Nuclear Counterterrorism & Incident Response	2,914	2,105	2,788
Program Direction - National Nuclear Security Administration	6	6	6
Infrastructure Security and Energy Restoration	5,400	5,400	0
Response and Restoration	0	0	2,700
Information Sharing, Partnerships and Exercises	0	0	3,200
Strategic Partnership Projects	100	100	100
Strategic Partnership Projects and Revenues	100	100	100
Environment, Health, Safety & Security	1,000	1,000	1,000
Environment, Health, Safety, and Security	1,000	1,000	1,000
Richland Community and Regulatory Support	8,621	8,621	10,013
Richland	8,621	8,621	10,013
Program Direction - Defense Environmental Cleanup	42,194	42,194	45,901
Total Richland Operations Office	60,235	59,426	65,708

DEPARTMENT OF ENERGY
Laboratory Table
 Rocky Flats Site FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Rocky Flats Site			
Legacy Management Activities - Defense	26,875	26,875	40,735
Legacy Management	26,875	26,875	40,735
Closure Sites Administration	1,800	1,800	553
Total Rocky Flats Site	28,675	28,675	41,288

DEPARTMENT OF ENERGY
Laboratory Table
Sandia National Laboratories FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Sandia National Laboratories			
B61-12 LEP	173,500	92,362	45,710
W88 ALT 370	11,425	26,473	22,885
W80-4 LEP	487,150	455,480	514,539
W87-1 Modification Program	185,000	199,103	218,014
W93 Program	18,000	18,663	109,111
Stockpile Major Modernization	875,075	792,081	910,259
Stockpile Sustainment	334,627	355,670	424,201
Weapons Dismantlement and Disposition	499	3,450	2,450
Production Operations	136,979	136,796	171,934
Nuclear Enterprise Assurance	0	0	5,742
Stockpile Management	1,347,180	1,287,997	1,514,586
High Explosives & Energetics	12,000	13,700	14,700
HE & Energetics	12,000	13,700	14,700
Primary Capability Modernization	12,000	13,700	14,700
Tritium Sustainment and Modernization	458	395	515
Tritium and Domestic Uranium Enrichment	458	395	515
Non-Nuclear Capability Modernization	58,753	43,696	61,420
Total, Non-Nuclear Capability Modernization	58,753	43,696	61,420
Capability Based Investments	18,060	18,150	17,500
Planning for Programmatic Construction (Pre-CD-1)	6,547	6,547	0
Production Modernization	95,818	82,488	94,135
Primary Assessment Technologies	10,500	10,500	11,000
Dynamic Materials Properties	15,000	15,000	15,266
Advanced Diagnostics	10,100	9,200	8,000
Secondary Assessment Technologies	6,810	6,610	6,000
Enhanced Capabilities for Subcritical Experiments	20,535	23,212	32,375
Hydrodynamic and Subcritical Experiment Execution Support	1,600	1,600	1,700
Assessment Science	64,545	66,122	74,341
Archiving and Support	9,553	9,614	9,301
Delivery Environments	14,695	14,500	14,463
Weapons Survivability	26,237	24,300	57,534
Studies and Assessments	0	0	2,093
Aging and Lifetimes	16,737	16,700	16,200
Stockpile Responsiveness	17,993	17,733	16,921
Advanced Certification and Qualification	7,097	7,000	6,652
Engineering and Integrated Assessments	92,312	89,847	123,164
Inertial Confinement Fusion	66,900	66,900	65,500
Surety Technologies	24,325	20,350	19,608
Weapon Technology Development	82,402	74,214	72,791
Advanced Manufacturing Development	19,346	22,999	25,798
Weapons Technology and Manufacturing Maturation	126,073	117,563	118,197
Advanced Simulation and Computing	151,310	151,310	170,831
Advanced Simulation & Computing	151,310	151,310	170,831
Stockpile Research, Technology, and Engineering	501,140	491,742	552,033
Operations of Facilities	125,307	126,000	106,000
Safety and Environmental Operations	10,581	9,867	10,630
Maintenance and Repair of Facilities	18,994	24,000	28,000
Infrastructure and Safety	67,732	57,476	73,644

DEPARTMENT OF ENERGY
Laboratory Table
Sandia National Laboratories FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Recapitalization	67,732	57,476	73,644
Operating	222,614	217,343	218,274
15-D-611, Emergency Operations Center, SNL	36,000	36,000	0
Mission Enabling Construction	36,000	36,000	0
I&O - Construction	36,000	36,000	0
Infrastructure and Operations	258,614	253,343	218,274
STA Operations and Equipment	81,701	80,627	73,012
Secure Transportation Asset	81,701	80,627	73,012
Operations and Maintenance - DNS	70,490	70,490	74,845
Defense Nuclear Security (DNS)	70,490	70,490	74,845
Information Technology and Cyber Security	34,741	30,651	38,887
Conversion	1,000	700	700
Nuclear Material Removal	0	100	0
Material Disposition	660	350	300
Material Management and Minimization	1,660	1,150	1,000
International Nuclear Security	7,793	16,595	8,012
Global Material Security	7,793	16,595	8,012
Nonproliferation & Arms Control	11,426	11,426	14,487
Proliferation Detection R&D	31,064	29,650	34,924
Nuclear Detonation Detection	105,091	94,895	105,225
Forensics R&D	1,634	2,000	1,634
Nonproliferation Stewardship Program	450	150	460
Defense Nuclear Nonproliferation R&D	138,239	126,695	142,243
NNSA Bioassurance Program	0	0	5,000
Counterterrorism and Counterproliferation	62,415	56,578	74,305
Nuclear Counterterrorism & Incident Response	62,415	56,578	74,305
Research - Advanced Scientific Computing Research	18,509	14,862	16,171
Advanced Scientific Computing Research	18,509	14,862	16,171
Research - Basic Energy Sciences	24,264	25,122	24,240
Basic Energy Sciences	24,264	25,122	24,240
Research - Biological & Environmental Research	15,928	15,928	12,122
Biological and Environmental Research	15,928	15,928	12,122
Research - Fusion Energy Sciences	2,100	2,534	500
Fusion Energy Sciences	2,100	2,534	500
Research - High Energy Physics	50	500	100
High Energy Physics	50	500	100
Vehicle Technologies	10,556	4,800	4,820
Bioenergy Technologies	7,900	7,900	7,000
Hydrogen and Fuel Cells Technologies	10,986	6,500	7,300
Sustainable Transportation	29,442	19,200	19,120
Wind Energy Technologies	10,097	11,051	28,922
Water Power Technologies	8,796	7,565	7,583
Geothermal Technologies	650	3,000	0
Renewable Power	19,543	21,616	36,505
Building Technologies	618	293	168
Energy Efficiency	618	293	168
Strategic Programs	250	0	0
Corporate Support	250	0	0
Transmission Reliability and Resilience	2,186	0	2,550
Energy Delivery Grid Operations Technology	0	0	3,000

DEPARTMENT OF ENERGY
Laboratory Table
Sandia National Laboratories FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Resilient Distribution Systems	3,176	0	3,100
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	1,100
Energy Storage R&D	32,458	0	33,000
Energy Storage	32,458	0	33,000
Transformer Resilience and Advanced Components	365	0	1,000
Transmission Permitting and Technical Assistance	290	0	0
Cybersecurity for Energy Delivery Systems	4,887	4,887	0
Advanced Oil and Gas Prod Tech (Unconv FE)	1,800	1,800	0
Strategic Petroleum Reserve (SPR)	3,822	3,822	4,000
STEP R&D	4,311	4,311	0
LWR Sustainability	1,625	1,625	3,900
Reactor Concepts RD&D	1,625	1,625	3,900
Accident Tolerant Fuels	136	136	149
Used Nuclear Fuel Disposition R&D	19,600	19,600	17,000
Integrated Waste Management System	4,000	4,000	1,500
Fuel Cycle Research & Development	23,736	23,736	18,649
Crosscutting Technology Development	1,529	1,529	2,000
Joint Modeling and Simulation Program	250	250	250
Nuclear Energy Enabling Technologies	1,779	1,779	2,250
Regulatory Development	300	300	300
Advanced Reactors Safeguards	1,133	1,133	2,050
Advanced Reactors Demonstration Program	1,433	1,433	2,350
Interim Storage	7,000	7,000	0
Oversight Activities Nuclear Waste Disposal	500	500	500
Environment, Health, Safety & Security	1,210	1,210	1,210
Environment, Health, Safety, and Security	1,210	1,210	1,210
Office of Technology Transitions (DA)	175	175	0
Total Sandia National Laboratories	2,812,674	2,662,115	2,996,354

DEPARTMENT OF ENERGY
Laboratory Table
Sandia Site Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Sandia Site Office			
Information Technology and Cyber Security	1,100	921	957
Radiological Security	33,411	48,066	29,745
Nuclear Smuggling Detection and Deterrence	12,261	9,000	12,478
Global Material Security	45,672	57,066	42,223
Program Direction - National Nuclear Security Administration	17,567	17,686	20,018
Advanced Manufacturing	2,075	0	0
Energy Efficiency	2,075	0	0
Infrastructure Security and Energy Restoration	300	300	0
Risk Management Technology and Tools	0	0	6,400
Response and Restoration	0	0	500
Information Sharing, Partnerships and Exercises	0	0	750
Carbon Storage	798	798	0
CCS and Power Systems	798	798	0
Cross Cutting Research	1,206	1,206	0
Advanced Coal Energy Systems & CCUS	1,206	1,206	0
Fuel Cycle Laboratory R&D	800	800	1,864
Fuel Cycle Research & Development	800	800	1,864
Sandia National Laboratory (SNL)	4,860	4,860	4,003
NNSA Sites and Nevada Off-Sites	4,860	4,860	4,003
Total Sandia Site Office	74,378	83,637	76,715

DEPARTMENT OF ENERGY
Laboratory Table
Savannah River National Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Savannah River National Laboratory			
Research - Biological & Environmental Research	150	150	0
Biological and Environmental Research	150	150	0
Research - Fusion Energy Sciences	75	75	0
Fusion Energy Sciences	75	75	0
Vehicle Technologies	390	500	400
Hydrogen and Fuel Cells Technologies	1,065	200	200
Sustainable Transportation	1,455	700	600
Savannah River National Laboratory O&M	0	0	41,000
Savannah River Sites	0	0	41,000
Total Savannah River National Laboratory	1,680	925	41,600

DEPARTMENT OF ENERGY
Laboratory Table
Savannah River Operations Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Savannah River Operations Office			
Savannah River Plutonium Operations	7,300	1,287	0
21-D-511, Savannah River Plutonium Processing Facility, SRS	8,000	2,000	0
Savannah River Plutonium Modernization	15,300	3,287	0
Plutonium Modernization	15,300	3,287	0
Primary Capability Modernization	15,300	3,287	0
Production Modernization	15,300	3,287	0
Infrastructure and Safety	0	1,750	17,850
Recapitalization	0	1,750	17,850
Operating	0	1,750	17,850
Infrastructure and Operations	0	1,750	17,850
Information Technology and Cyber Security	525	445	398
International Nuclear Security	131	46	135
Global Material Security	131	46	135
Nonproliferation & Arms Control	4,825	4,825	0
Program Direction - National Nuclear Security Administration	9,638	9,936	10,871
HALEU Availability	0	0	22,400
Used Nuclear Fuel Disposition R&D	300	300	300
Integrated Waste Management System	500	500	800
Fuel Cycle Research & Development	800	800	23,500
Strategic Partnership Projects	6,700	6,700	11,200
Strategic Partnership Projects and Revenues	6,700	6,700	11,200
SR Community and Regulatory Support	11,549	11,549	12,137
Savannah River Sites	11,549	11,549	12,137
Program Direction - Defense Environmental Cleanup	42,051	42,051	48,747
Safeguards and Security - Defense Environmental Cleanup	171,211	171,211	152,194
Total Savannah River Operations Office	262,730	252,600	277,032

DEPARTMENT OF ENERGY
Laboratory Table
Savannah River Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Savannah River Site			
B61-12 LEP	7,000	16,200	17,500
W80-4 LEP	2,700	3,204	2,240
W87-1 Modification Program	2,000	2,157	2,972
W93 Program	500	500	1,183
Stockpile Major Modernization	12,200	22,061	23,895
Stockpile Sustainment	43,831	44,177	52,094
Weapons Dismantlement and Disposition	100	700	600
Production Operations	24,736	24,789	25,783
Nuclear Enterprise Assurance	0	0	3,977
Stockpile Management	80,867	91,727	106,349
Savannah River Plutonium Operations	191,575	198,044	56,600
21-D-511, Savannah River Plutonium Processing Facility, SRS	233,896	239,896	700,000
Savannah River Plutonium Modernization	425,471	437,940	756,600
Plutonium Modernization	425,471	437,940	756,600
Primary Capability Modernization	425,471	437,940	756,600
Tritium Sustainment and Modernization	90,504	135,049	125,563
18-D-650, Tritium Finishing Facility, SRS	25,500	25,500	71,800
Tritium and Domestic Uranium Enrichment	116,004	160,549	197,363
Non-Nuclear Capability Modernization	0	100	110
Total, Non-Nuclear Capability Modernization	0	100	110
Capability Based Investments	4,200	6,190	6,900
Production Modernization	545,675	604,779	960,973
Enhanced Capabilities for Subcritical Experiments	0	1,000	1,375
Assessment Science	0	1,000	1,375
Aging and Lifetimes	2,554	2,810	2,700
Engineering and Integrated Assessments	2,554	2,810	2,700
Surety Technologies	349	320	300
Advanced Manufacturing Development	5,050	7,384	7,536
Weapons Technology and Manufacturing Maturation	5,399	7,704	7,836
Stockpile Research, Technology, and Engineering	7,953	11,514	11,911
Operations of Facilities	94,090	94,000	97,000
Safety and Environmental Operations	12,190	12,389	13,265
Maintenance and Repair of Facilities	41,752	40,000	47,000
Infrastructure and Safety	16,767	24,728	10,038
Recapitalization	16,767	24,728	10,038
Operating	164,799	171,117	167,303
Infrastructure and Operations	164,799	171,117	167,303
Operations and Maintenance - DNS	8,520	8,520	9,180
Defense Nuclear Security (DNS)	8,520	8,520	9,180
Information Technology and Cyber Security	6,384	6,379	7,644
Conversion	8,253	3,714	5,777
Nuclear Material Removal	17,723	13,600	15,550
Material Disposition	47,034	42,368	55,861
Laboratory and Partnership Support	1,545	0	0
Material Management and Minimization	74,555	59,682	77,188
Nuclear Smuggling Detection and Deterrence	40	0	41
Global Material Security	40	0	41
Nonproliferation & Arms Control	2,057	2,057	8,726

DEPARTMENT OF ENERGY
Laboratory Table
Savannah River Site FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Proliferation Detection R&D	11,207	13,456	12,600
Forensics R&D	1,728	1,650	1,728
Nonproliferation Stewardship Program	575	200	5,121
Defense Nuclear Nonproliferation R&D	13,510	15,306	19,449
18-D-150, Surplus Plutonium Disposition Project, SRS	143,565	142,905	66,764
Nonproliferation Construction	143,565	142,905	66,764
Counterterrorism and Counterproliferation	3,701	3,385	4,051
Nuclear Counterterrorism & Incident Response	3,701	3,385	4,051
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
SR-0011C NM Stabilization and Disposition	349,724	349,724	270,461
SR-0013 Solid Waste Stabilization and Disposition	50,071	50,071	45,509
SR-0030 Soil and Water Remediation	56,412	56,412	60,455
SR-0041: Risk Reduction Deactivation and Surveillance	27,264	27,264	21,463
SR-0042: Infrastructure and Land Management	16,529	16,529	18,429
Savannah River Risk Management Operations	500,000	500,000	416,317
18-D-402 Emergency Operations Center Replacement, SR	6,500	6,500	25,568
19-D-701 SR Security Systems Replacement	1,000	1,000	5,000
20-D-402 Advanced Manufacturing Collaborative Facility (AMC)	25,000	25,000	0
Construction - Savannah River Sites	32,500	32,500	30,568
Savannah River Legacy Pensions	0	0	132,294
Radioactive Liquid Tank Waste Stabilization	910,832	910,832	851,660
20-D-401 Saltstone Disposal Unit #10, 11, 12	562	562	37,668
18-D-402 Saltstone disposal unit #8/9	65,500	65,500	49,832
17-D-402 Saltstone Disposal Unit #7	10,716	10,716	0
Construction - Radioactive Liquid Tank Waste	76,778	76,778	87,500
Savannah River Sites	1,520,110	1,520,110	1,518,339
Total Savannah River Site	2,571,746	2,637,491	2,957,928

DEPARTMENT OF ENERGY
Laboratory Table
 Savannah River Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Savannah River Site Office			
Environment, Health, Safety & Security	500	500	500
Environment, Health, Safety, and Security	500	500	500
Total Savannah River Site Office	500	500	500

DEPARTMENT OF ENERGY
Laboratory Table
 Separations Process Research Unit FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Separations Process Research Unit			
Separations Processing Research Unit	15,000	15,000	15,300
NNSA Sites and Nevada Off-Sites	15,000	15,000	15,300
Total Separations Process Research Unit	15,000	15,000	15,300

DEPARTMENT OF ENERGY
Laboratory Table
SLAC National Accelerator Laboratory FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
SLAC National Accelerator Laboratory			
Inertial Confinement Fusion	180	180	180
Stockpile Research, Technology, and Engineering	180	180	180
Proliferation Detection R&D	1,007	1,300	1,133
Forensics R&D	729	275	729
Defense Nuclear Nonproliferation R&D	1,736	1,575	1,862
Research - Advanced Scientific Computing Research	670	450	450
Advanced Scientific Computing Research	670	450	450
Research - Basic Energy Sciences	215,455	231,156	211,456
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	1,000	1,000	10,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	52,000	50,000	90,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	33,000	28,100	0
Construction - Basic Energy Sciences	86,000	79,100	100,000
Basic Energy Sciences	301,455	310,256	311,456
Research - Biological & Environmental Research	4,100	4,100	4,520
Biological and Environmental Research	4,100	4,100	4,520
Research - Fusion Energy Sciences	5,495	3,545	5,500
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	15,000	5,000	1,000
Construction - Fusion Energy Sciences	15,000	5,000	1,000
Fusion Energy Sciences	20,495	8,545	6,500
Research - High Energy Physics	81,678	76,607	81,434
High Energy Physics	81,678	76,607	81,434
Operations and Maintenance - Nuclear Physics	1,166	1,166	1,321
Nuclear Physics	1,166	1,166	1,321
Research - Accelerator R&D and Production	0	1,320	100
Accelerator R&D and Production	0	1,320	100
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	11,000	12,000	30,000
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	500	500	25,425
Construction - Science Laboratories Infrastructure	11,500	12,500	55,425
Science Laboratories Infrastructure	11,500	12,500	55,425
Safeguards and Security - SC	3,914	3,914	8,890
Vehicle Technologies	4,050	4,350	6,000
Bioenergy Technologies	365	365	350
Hydrogen and Fuel Cells Technologies	0	300	500
Sustainable Transportation	4,415	5,015	6,850
Solar Energy Technologies	867	867	1,200
Renewable Power	867	867	1,200
Advanced Manufacturing	0	1,500	1,500
Building Technologies	640	0	0
Energy Efficiency	640	1,500	1,500
Transmission Reliability and Resilience	260	0	0
Resilient Distribution Systems	55	0	0
Infrastructure Security and Energy Restoration	1,000	1,000	0
Advanced Oil and Gas Prod Tech (Unconv FE)	252	252	0
Crosscutting Technology Development	48	48	0
Nuclear Energy Enabling Technologies	48	48	0
Total SLAC National Accelerator Laboratory	434,431	429,295	481,688

DEPARTMENT OF ENERGY
Laboratory Table
 SLAC Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
SLAC Site Office			
Program Direction - SC	0	2,411	2,615
Total SLAC Site Office	0	2,411	2,615

DEPARTMENT OF ENERGY
Laboratory Table
Southwestern Power Administration Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Southwestern Power Administration Office			
Operation And Maintenance - SWPA	13,292	13,292	15,517
Construction - SWPA	13,267	13,267	16,035
Purchase Power And Wheeling - SWPA	54,000	54,000	93,000
Program Direction - SWPA	35,635	35,635	38,250
Subtotal, SWPA	116,194	116,194	162,802
Total Southwestern Power Administration Office	116,194	116,194	162,802

DEPARTMENT OF ENERGY
Laboratory Table
 Strategic Petroleum Reserve - Bayou Choctow FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Strategic Petroleum Reserve - Bayou Choctow			
Strategic Petroleum Reserve (SPR)	13,533	13,533	16,281
Total Strategic Petroleum Reserve - Bayou Choctow	13,533	13,533	16,281

DEPARTMENT OF ENERGY
Laboratory Table
 Strategic Petroleum Reserve - Big Hill FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Strategic Petroleum Reserve - Big Hill			
Strategic Petroleum Reserve (SPR)	20,740	20,740	21,040
Total Strategic Petroleum Reserve - Big Hill	20,740	20,740	21,040

DEPARTMENT OF ENERGY
Laboratory Table
 Strategic Petroleum Reserve - Bryan Mound FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Strategic Petroleum Reserve - Bryan Mound			
Strategic Petroleum Reserve (SPR)	18,519	18,519	19,245
Total Strategic Petroleum Reserve - Bryan Mound	18,519	18,519	19,245

DEPARTMENT OF ENERGY
Laboratory Table
 Strategic Petroleum Reserve - West Hackberry FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Strategic Petroleum Reserve - West Hackberry			
Strategic Petroleum Reserve (SPR)	23,383	23,383	20,484
Total Strategic Petroleum Reserve - West Hackberry	23,383	23,383	20,484

DEPARTMENT OF ENERGY
Laboratory Table
 Strategic Petroleum Reserve Project Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Strategic Petroleum Reserve Project Office			
SPR - Petroleum Account	1,000	1,000	8,000
Strategic Petroleum Reserve (SPR)	98,515	98,515	102,610
Total Strategic Petroleum Reserve Project Office	99,515	99,515	110,610

DEPARTMENT OF ENERGY
Laboratory Table
Thomas Jefferson National Accelerator Facility FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Thomas Jefferson National Accelerator Facility			
Non-Nuclear Capability Modernization	0	100	100
Total, Non-Nuclear Capability Modernization	0	100	100
Production Modernization	0	100	100
Research - Advanced Scientific Computing Research	360	0	0
Advanced Scientific Computing Research	360	0	0
Research - High Energy Physics	420	0	0
High Energy Physics	420	0	0
Operations and Maintenance - Nuclear Physics	129,353	134,480	153,899
20-SC-52, Electron Ion Collider, BNL	0	1,250	0
Construction - Nuclear Physics	0	1,250	0
Nuclear Physics	129,353	135,730	153,899
Research - Accelerator R&D and Production	0	350	427
Accelerator R&D and Production	0	350	427
Facilities and Infrastructure (SLI)	0	3,900	0
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	2,000	10,000	2,000
Construction - Science Laboratories Infrastructure	2,000	10,000	2,000
Science Laboratories Infrastructure	2,000	13,900	2,000
Safeguards and Security - SC	3,037	3,037	5,633
Office of Technology Transitions (DA)	30	30	0
Total Thomas Jefferson National Accelerator Facility	135,200	153,147	162,059

DEPARTMENT OF ENERGY
Laboratory Table
 Thomas Jefferson Site Office FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Thomas Jefferson Site Office			
Program Direction - SC	1,812	1,812	2,461
Total Thomas Jefferson Site Office	1,812	1,812	2,461

DEPARTMENT OF ENERGY
Laboratory Table
Undesignated Lab/Plant/Installation FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Undesignated Lab/Plant/Installation			
Research - Advanced Scientific Computing Research	49,552	113,293	85,078
Advanced Scientific Computing Research	49,552	113,293	85,078
Research - Basic Energy Sciences	0	320,459	487,170
Basic Energy Sciences	0	320,459	487,170
Research - Biological & Environmental Research	106,090	94,152	136,433
Biological and Environmental Research	106,090	94,152	136,433
Research - Fusion Energy Sciences	42,456	42,456	71,320
Fusion Energy Sciences	42,456	42,456	71,320
Research - High Energy Physics	28,708	32,810	56,655
High Energy Physics	28,708	32,810	56,655
Operations and Maintenance - Nuclear Physics	52,345	29,732	40,208
Nuclear Physics	52,345	29,732	40,208
Research - Accelerator R&D and Production	0	2,128	6,916
Accelerator R&D and Production	0	2,128	6,916
Workforce Development for Teachers & Scientists	29,000	29,000	41,300
Facilities and Infrastructure (SLI)	0	0	100
Science Laboratories Infrastructure	0	0	100
Safeguards and Security - SC	0	17,096	28,429
Energy Delivery Grid Operations Technology	0	0	20
Total Undesignated Lab/Plant/Installation	308,151	681,126	953,629

DEPARTMENT OF ENERGY
Laboratory Table
 University of Rochester FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
University of Rochester			
Inertial Confinement Fusion	82,000	82,000	75,000
Stockpile Research, Technology, and Engineering	82,000	82,000	75,000
Total University of Rochester	82,000	82,000	75,000

DEPARTMENT OF ENERGY
Laboratory Table
Washington Headquarters FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Washington Headquarters			
B61-12 LEP	10,196	11,575	21,000
W88 ALT 370	3,212	630	4,800
W80-4 LEP	12,504	48	34,000
W87-1 Modification Program	6,763	0	20,467
W93 Program	663	0	7,215
Stockpile Major Modernization	33,338	12,253	87,482
Stockpile Sustainment	21,128	4,800	45,106
Weapons Dismantlement and Disposition	1,245	142	1,529
Production Operations	13,199	22,758	23,273
Nuclear Enterprise Assurance	0	0	1,467
Stockpile Management	68,910	39,953	158,857
Los Alamos Plutonium Operations	9,007	2,486	11,519
21-D-512, Plutonium Pit Production Project, LANL	0	2,000	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	2,000	2,000	0
Los Alamos Plutonium Modernization	11,007	6,486	11,519
Savannah River Plutonium Operations	1,125	669	1,700
Savannah River Plutonium Modernization	1,125	669	1,700
Enterprise Plutonium Support	1,135	2,731	1,282
Plutonium Modernization	13,267	9,886	14,501
High Explosives & Energetics	8,795	8,920	30,680
HESE OPCs	47	0	0
21-D-510, HE Synthesis, Formulation, and Production, PX	3,000	1,000	0
HE & Energetics	11,842	9,920	30,680
Primary Capability Modernization	25,109	19,806	45,181
Uranium Modernization	41,116	1,000	63,836
Depleted Uranium Modernization	21,312	500	8,271
Lithium Modernization	3,082	500	1,588
Secondary Capability Modernization	65,510	2,000	73,695
Tritium Sustainment and Modernization	3,901	4,525	9,810
Domestic Uranium Enrichment	4,151	5,585	42,092
HEU Downblend	74,488	80,000	0
Uranium Reserve	75,000	75,000	0
18-D-650, Tritium Finishing Facility, SRS	1,500	1,500	1,500
Tritium and Domestic Uranium Enrichment	159,040	166,610	53,402
Non-Nuclear Capability Modernization	3,154	11,510	11,275
Total, Non-Nuclear Capability Modernization	3,154	11,510	11,275
Capability Based Investments	14,597	23,579	27,420
Planning for Programmatic Construction (Pre-CD-1)	953	3,453	0
Production Modernization	268,363	226,958	210,973
Primary Assessment Technologies	14,712	14,712	9,303
Dynamic Materials Properties	15,722	19,722	8,140
Advanced Diagnostics	2,669	4,469	2,424
Secondary Assessment Technologies	6,738	8,990	2,301
Enhanced Capabilities for Subcritical Experiments	50,743	5,219	10,343
Hydrodynamic and Subcritical Experiment Execution Support	7,501	7,501	9,510
17-D-640, U1a Complex Enhancements Project, NNSS	8,000	30,600	0
Assessment Science	106,085	91,213	42,021
Archiving and Support	572	920	887

DEPARTMENT OF ENERGY
Laboratory Table
Washington Headquarters FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Delivery Environments	81	750	767
Weapons Survivability	1,437	1,160	1,889
Studies and Assessments	0	0	64
Aging and Lifetimes	778	1,271	1,200
Stockpile Responsiveness	875	1,420	1,375
Advanced Certification and Qualification	752	1,206	1,024
Engineering and Integrated Assessments	4,495	6,727	7,206
Inertial Confinement Fusion	15,920	15,920	12,208
Surety Technologies	927	657	1,030
Weapon Technology Development	1,545	1,564	2,427
Advanced Manufacturing Development	1,399	1,438	2,267
Weapons Technology and Manufacturing Maturation	3,871	3,659	5,724
Advanced Simulation and Computing	8,000	8,000	11,140
Advanced Simulation & Computing	8,000	8,000	11,140
Stockpile Research, Technology, and Engineering	138,371	125,519	78,299
Operations of Facilities	14,654	32,500	41,000
Safety and Environmental Operations	4,883	6,981	9,538
Maintenance and Repair of Facilities	88,546	98,000	95,000
Infrastructure and Safety	34,269	96,960	52,085
Recapitalization	34,269	96,960	52,085
Operating	142,352	234,441	197,623
Infrastructure and Operations	142,352	234,441	197,623
Operations and Maintenance - DNS	69,878	69,878	94,879
Defense Nuclear Security (DNS)	69,878	69,878	94,879
Information Technology and Cyber Security	217,829	225,952	260,875
Legacy Contractor Pensions and Settlement Payments (WA)	101,668	101,668	114,632
Conversion	3,023	24,619	7,060
Nuclear Material Removal	640	500	1,000
Material Disposition	1,335	51,530	18,111
Laboratory and Partnership Support	13,000	60,000	0
Material Management and Minimization	17,998	136,649	26,171
International Nuclear Security	1,939	9,007	1,993
Radiological Security	2,630	21,610	2,341
Nuclear Smuggling Detection and Deterrence	459	4,088	467
Global Material Security	5,028	34,705	4,801
Nonproliferation & Arms Control	18,248	18,248	23,138
Proliferation Detection R&D	32,047	28,790	36,618
Nuclear Detonation Detection	4,595	5,324	10,327
Nonproliferation Fuels Development	260	16,494	0
Forensics R&D	1,288	3,750	702
Nonproliferation Stewardship Program	13,480	6,450	17,312
Defense Nuclear Nonproliferation R&D	51,670	60,808	64,959
18-D-150, Surplus Plutonium Disposition Project, SRS	663	2,679	5,000
Nonproliferation Construction	663	2,679	5,000
Emergency Operations	12,564	12,585	26,970
Counterterrorism and Counterproliferation	15,867	38,159	35,748
Nuclear Counterterrorism & Incident Response	28,431	50,744	62,718
Naval Reactors Development	1,955	1,955	15,531
Naval Reactors Operations and Infrastructure	9,953	9,953	2,365
Program Direction - Naval Reactors	31,020	31,020	35,115

DEPARTMENT OF ENERGY
Laboratory Table
Washington Headquarters FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Program Direction - National Nuclear Security Administration	317,932	322,125	369,909
Research - Advanced Scientific Computing Research	88,623	0	0
Advanced Scientific Computing Research	88,623	0	0
Research - Basic Energy Sciences	439,674	0	0
Basic Energy Sciences	439,674	0	0
Research - Biological & Environmental Research	6,170	0	0
Biological and Environmental Research	6,170	0	0
Research - Fusion Energy Sciences	124,899	0	0
Fusion Energy Sciences	124,899	0	0
Research - High Energy Physics	68,224	0	0
High Energy Physics	68,224	0	0
Operations and Maintenance - Nuclear Physics	67,784	0	0
20-SC-51, U.S. Stable Isotope Production and Research Center, (SIPRC)	0	12,000	12,000
Construction - Nuclear Physics	0	12,000	12,000
Nuclear Physics	67,784	12,000	12,000
Research - Isotope R&D and Production	0	72,000	85,451
Isotope R&D and Production	0	72,000	85,451
Facilities and Infrastructure (SLI)	29,590	0	0
Science Laboratories Infrastructure	29,590	0	0
Safeguards and Security - SC	17,096	0	0
Program Direction - SC	105,832	105,832	114,188
Vehicle Technologies	49,209	47,085	53,500
Bioenergy Technologies	16,835	12,000	40,050
Hydrogen and Fuel Cells Technologies	11,846	9,100	11,100
Sustainable Transportation	77,890	68,185	104,650
Renewable Energy Grid Integration	0	0	47,730
Wind Energy Technologies	14,434	15,269	39,500
Water Power Technologies	44,534	50,299	42,745
Geothermal Technologies	5,111	6,632	4,000
Renewable Power	64,079	72,200	133,975
Advanced Manufacturing	203,546	39,694	27,500
Building Technologies	137,399	108,506	207,195
Federal Energy Management Program (EERE)	4,802	5,000	0
Weatherization Assistance Program (EERE)	0	825	0
Training and Technical Assistance (EERE)	550	500	0
State Energy Program Grants (EERE)	2,386	2,300	0
Weatherization and Intergovernmental Programs	2,936	3,625	0
Energy Efficiency	348,683	156,825	234,695
Program Direction - Energy Efficiency and Renewable Energy	129,556	130,816	165,350
Strategic Programs	4,800	11,400	47,900
Corporate Support	134,356	142,216	213,250
Transmission Reliability and Resilience	3	288	245
Energy Delivery Grid Operations Technology	0	0	300
Resilient Distribution Systems	1,186	1,474	1,500
Energy Storage R&D	200	287	600
Energy Storage	200	287	600
Transformer Resilience and Advanced Components	225	228	200
Transmission Permitting and Technical Assistance	764	1,082	0
Program Direction - Electricity	13,931	15,390	13,608
Cybersecurity for Energy Delivery Systems	3,783	3,783	0

DEPARTMENT OF ENERGY
Laboratory Table
Washington Headquarters FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Infrastructure Security and Energy Restoration	6,800	6,800	0
Risk Management Technology and Tools	0	0	3,900
Response and Restoration	0	0	2,500
Information Sharing, Partnerships and Exercises	0	0	3,450
Program Direction - CESER	9,250	10,000	20,143
Carbon Capture	71,163	71,163	0
Carbon Utilization	16,385	16,385	0
Carbon Storage	53,433	53,433	0
CCS and Power Systems	140,981	140,981	0
Advanced Energy Systems	67,411	67,411	0
Cross Cutting Research	23,722	23,722	0
Advanced Coal Energy Systems & CCUS	91,133	91,133	0
Mineral Sustainability	35,318	35,318	0
Carbon Dioxide Removal	38,100	38,100	0
Special Recruitment Programs	700	700	0
Import Export Authorization	2,367	2,367	0
Advanced Oil and Gas Prod Tech (Unconv FE)	858	858	0
Natural Gas Technologies Research	30,250	30,250	0
Program Direction - Fossil Energy Field	31,353	31,353	0
Naval Petroleum and Oil Shale Reserve	2,006	2,006	2,000
Strategic Petroleum Reserve (SPR)	8,430	8,430	7,930
Northeast Home Heating Oil Reserves	800	800	960
University Led Research & Development	0	0	133,029
University Scholarships and Fellowships	0	0	9
University Fuel Services (RRI)	0	0	20
Integrated University Program	0	9	0
STEP R&D	689	689	0
Advanced SMR R&D	1,762	1,762	1,000
LWR Sustainability	9,861	9,861	11,415
Advanced Reactor Technologies	15,995	15,995	14,000
Reactor Concepts RD&D	27,618	27,618	26,415
Mining, Conversion, and Transportation	1,100	2,000	1,500
Civilian Nuclear Enrichment	0	40,000	0
Materials Recovery and Waste Form Development	1,038	1,038	1,453
Accident Tolerant Fuels	15,153	15,153	15,133
Triso Fuel and Graphite Qualification	7,938	1,000	1,470
Fuel Cycle Laboratory R&D	2,260	2,260	5,166
HALEU Availability	0	0	3,274
Used Nuclear Fuel Disposition R&D	3,000	3,000	3,000
Integrated Waste Management System	2,800	2,800	11,800
Fuel Cycle Research & Development	33,289	67,251	42,796
Crosscutting Technology Development	6,019	6,019	6,000
Joint Modeling and Simulation Program	4,938	4,938	3,627
Nuclear Science User Facilities	3,112	3,112	4,000
Transformational Challenge Reactor	5,480	5,480	0
Nuclear Energy Enabling Technologies	19,549	19,549	13,627
National Reactor Innovation Center	723	723	0
Demonstration 1 (X-Energy)	2,712	2,712	0
Demonstration 2 (Natrium)	2,865	2,865	0
Risk Reduction for Future Demonstration	40,000	40,000	48,038

DEPARTMENT OF ENERGY
Laboratory Table
Washington Headquarters FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Regulatory Development	1,153	1,153	0
Advanced Reactors Safeguards	245	245	500
Advanced Reactors Demonstration Program	47,698	47,698	48,538
Other Project Costs	65	65	65
Versatile Advanced Test Reactor R&D	65	65	65
ORNL Nuclear Facilities O&M	74	74	0
INL Facilities Operations and Maintenance	812	997	935
Research Reactor Infrastructure	20	20	0
Infrastructure	906	1,091	935
Idaho Site-wide Safeguards & Security (050)	50	125	125
International Nuclear Energy Cooperation	0	0	1,500
Program Direction - Nuclear Energy	40,901	40,901	45,790
Interim Storage	5,500	5,500	0
Oversight Activities Nuclear Waste Disposal	7,000	7,000	9,705
Office of the Secretary	5,582	5,582	6,642
Congressional & Intergovernmental Affairs	5,000	5,000	7,142
Office of the Chief Financial Officer	53,590	53,590	62,283
Economic Impact & Diversity	10,169	10,169	34,140
Office of International Affairs	26,825	26,825	62,141
Chief Information Officer	140,200	140,200	233,731
Other Departmental Administration	141,662	141,662	219,789
Strategic Partnership Projects	6,722	6,722	0
Strategic Partnership Projects and Revenues	6,722	6,722	0
Legacy Management Activities - Defense	35,151	35,151	51,930
Legacy Management	35,151	35,151	51,930
Program Direction - Office of Enterprise Assessments	54,635	54,635	57,941
Enterprise Assessments	24,285	24,285	27,186
Office of Enterprise Assessments	78,920	78,920	85,127
Program Direction - Environment, Health, Safety and Security	72,000	72,000	76,685
Environment, Health, Safety & Security	117,801	117,801	122,335
Environment, Health, Safety, and Security	189,801	189,801	199,020
Specialized Security Activities	283,500	283,500	306,067
Office Of Hearings And Appeals	4,262	4,262	4,477
Office of Technology Transitions (DA)	8,871	8,871	9,749
Indian Energy Policy & Programs	17,000	17,000	129,736
Program Direction - Indian Energy Program	5,000	5,000	20,303
ARPA-E Projects	392,000	392,000	643,000
Program Direction - ARPA-E	35,000	35,000	57,150
Energy Information Administration (EIA)	126,800	126,800	144,480
Loan Guarantee Program	31,457	31,277	65,483
Administrative Expenses - Tribal Energy Loan Guarantee Program	1,955	2,000	1,860
Advanced Technology Vehicle Manufacturing Loan Program	4,622	4,450	9,200
Program Direction - Defense Environmental Cleanup	85,595	85,595	89,647
Program Support - Defense Environmental Cleanup	12,979	12,979	103,239
Technology Development and Deployment	30,000	30,000	25,000
Management and Storage of Elemental Mercury	2,100	2,100	2,100
Uranium Enrichment D&D Fund-U Th Reimbursements	5,000	5,000	24,400
Program Direction - OCED	0	0	18,449
Clean Energy Demonstrations	0	0	164,052
Grid Planning & Development	0	0	3,200

DEPARTMENT OF ENERGY
Laboratory Table
Washington Headquarters FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Grid Technical Assistance	0	0	3,400
Wholesale Electricity Market TA & Grants	0	0	700
Interregional & Offshore Transmission Planning	0	0	2,500
Program Direction - Grid Deployment Office	0	0	4,272
Program Direction - Office of Inspector General	57,739	57,739	106,808
Total Washington Headquarters	5,462,374	4,758,832	5,905,161

DEPARTMENT OF ENERGY
Laboratory Table
Waste Isolation Pilot Plant FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Waste Isolation Pilot Plant			
Material Disposition	7,595	6,240	11,932
Material Management and Minimization	7,595	6,240	11,932
Nonproliferation & Arms Control	355	355	450
Counterterrorism and Counterproliferation	3,117	12	508
Nuclear Counterterrorism & Incident Response	3,117	12	508
Waste Isolation Pilot Plant (WIPP)	313,260	313,260	371,943
21-D-401 Hoisting Capability Project	10,000	10,000	0
15-D-411 Safety Significant Confinement Ventilation System, WIPP	35,000	35,000	59,073
15-D-412 Exhaust Shaft, WIPP	55,000	55,000	25,000
Construction - Waste Isolation Pilot Plant	100,000	100,000	84,073
Total Waste Isolation Pilot Plant	413,260	413,260	456,016
Total Waste Isolation Pilot Plant	424,327	419,867	468,906

DEPARTMENT OF ENERGY
Laboratory Table
Weldon Spring Site Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Weldon Spring Site Office			
Legacy Management Activities - Defense	4,092	4,092	5,131
Legacy Management	4,092	4,092	5,131
Total Weldon Spring Site Office	4,092	4,092	5,131

DEPARTMENT OF ENERGY
Laboratory Table
 West Valley Demonstration Project FY 2023
 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
West Valley Demonstration Project			
Safeguards and Security - Defense Environmental Cleanup	4,298	4,298	4,377
West Valley Demonstration Project - NDEC	88,113	88,113	89,882
Total West Valley Demonstration Project	92,411	92,411	94,259

DEPARTMENT OF ENERGY
Laboratory Table
Western Area Power Administration Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Western Area Power Administration Office			
Transmission Reliability and Resilience	15	0	0
Operation And Maintenance - CROM	77,874	77,874	85,229
Construction And Rehabilitation - CROM	26,251	26,251	47,189
Purchase Power And Wheeling - CROM	485,890	485,890	625,405
Program Direction - CROM	253,575	253,575	277,287
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	843,590	843,590	1,035,110
Less alternative financing (for O&M) - CROM	-6,297	-6,297	-7,641
Less alternative financing (for Construction) - CROM	-20,353	-20,353	-38,219
Less alternative financing (for PPW) - CROM	-293,890	-293,890	-275,322
Less alternative financing (for PD) - CROM	-48,546	-48,546	-54,868
Less alternative financing - CROM	-369,086	-369,086	-376,050
Purchase Power & Wheeling Financed from Offsetting (P.L. 108-447/109-103)	-192,000	-192,000	-350,083
Offsetting Collections - Colorado River Dam (P.L. 98-381)	-8,378	-8,378	-9,404
Offsetting Collections (for O&M) - CROM	-24,744	-24,744	-29,180
Offsetting Collections (for PD) - CROM	-145,010	-145,010	-171,661
Offsetting Collections - CROM	-370,132	-370,132	-560,328
Falcon And Amistad Operation And Maintenance	7,302	7,545	7,928
Offsetting Collections - Falcon and Amistad Fund	-5,548	-5,580	-6,102
Less alternative financing - Falcon and Amistad Fund	-1,526	-1,737	-1,598
Program Direction - Colorado River Basins Fund	70,316	74,581	79,539
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	174,731	162,709	178,927
Colorado River Basins Fund	245,047	237,290	258,466
Offsetting collections - CRBPMF	-266,447	-258,690	-267,034
Use of Prior Year Balances	-15,000	-15,000	0
Total Western Area Power Administration Office	68,215	68,200	90,392

DEPARTMENT OF ENERGY
Laboratory Table
Y-12 National Security Complex FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Y-12 National Security Complex			
B61-12 LEP	94,500	87,000	109,000
W88 ALT 370	490	1,344	1,261
W80-4 LEP	3,306	33,650	37,660
W87-1 Modification Program	40,000	43,006	82,502
W93 Program	1,000	1,000	5,000
Stockpile Major Modernization	139,296	166,000	235,423
Stockpile Sustainment	38,705	41,224	47,049
Weapons Dismantlement and Disposition	14,450	17,569	15,667
Production Operations	108,754	106,228	107,151
Nuclear Enterprise Assurance	0	0	2,760
Stockpile Management	301,205	331,021	408,050
Uranium Modernization	259,163	299,279	219,535
Depleted Uranium Modernization	68,064	91,964	111,000
Lithium Modernization	35,268	37,850	62,073
18-D-690, Lithium Processing Facility, Y-12	109,405	109,405	216,886
06-D-141, Uranium Processing Facility, Y-12	720,000	734,000	351,000
Secondary Capability Modernization	1,191,900	1,272,498	960,494
Tritium Sustainment and Modernization	1,667	0	1,750
Domestic Uranium Enrichment	0	0	10,000
HEU Downblend	15,512	10,000	0
Tritium and Domestic Uranium Enrichment	17,179	10,000	11,750
Non-Nuclear Capability Modernization	0	300	310
Total, Non-Nuclear Capability Modernization	0	300	310
Capability Based Investments	27,170	28,250	18,200
Production Modernization	1,236,249	1,311,048	990,754
Aging and Lifetimes	2,414	2,590	2,600
Stockpile Responsiveness	2,325	3,625	3,459
Advanced Certification and Qualification	1,500	1,400	1,330
Engineering and Integrated Assessments	6,239	7,615	7,389
Advanced Manufacturing Development	14,498	6,876	3,000
Weapons Technology and Manufacturing Maturation	14,498	6,876	3,000
Advanced Simulation and Computing	500	500	1,000
Advanced Simulation & Computing	500	500	1,000
Stockpile Research, Technology, and Engineering	21,237	14,991	11,389
Operations of Facilities	102,864	103,000	104,000
Safety and Environmental Operations	24,147	25,906	22,691
Maintenance and Repair of Facilities	122,142	117,000	119,000
Infrastructure and Safety	69,399	46,857	42,891
Recapitalization	69,399	46,857	42,891
Operating	318,552	292,763	288,582
23-D-519, Special Material Facility, Y-12	0	0	49,500
Mission Enabling Construction	0	0	49,500
I&O - Construction	0	0	49,500
Infrastructure and Operations	318,552	292,763	338,082
Operations and Maintenance - DNS	173,820	173,820	199,685
17-D-710, West End Protected Area Reduction Project, Y-12	26,000	26,000	3,928
Construction - Defense Nuclear Security	26,000	26,000	3,928
Defense Nuclear Security (DNS)	199,820	199,820	203,613

DEPARTMENT OF ENERGY
Laboratory Table
Y-12 National Security Complex FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Information Technology and Cyber Security	9,384	8,845	9,803
Conversion	2,256	4,310	3,070
Nuclear Material Removal	3,350	3,300	3,875
Material Disposition	14,563	6,300	25,025
Laboratory and Partnership Support	620	0	0
Material Management and Minimization	20,789	13,910	31,970
International Nuclear Security	1,954	3,770	2,009
Radiological Security	7,204	12,332	6,414
Nuclear Smuggling Detection and Deterrence	30	1,000	31
Global Material Security	9,188	17,102	8,454
Nonproliferation & Arms Control	4,780	4,780	6,061
Proliferation Detection R&D	1,285	1,660	1,446
Forensics R&D	952	1,146	951
Nonproliferation Stewardship Program	300	1,075	6,284
Defense Nuclear Nonproliferation R&D	2,537	3,881	8,681
Counterterrorism and Counterproliferation	40	3,690	5,192
Nuclear Counterterrorism & Incident Response	40	3,690	5,192
Total Y-12 National Security Complex	2,123,781	2,201,851	2,022,049

DEPARTMENT OF ENERGY
Laboratory Table
Y-12 Site Office FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Y-12 Site Office			
Environment, Health, Safety & Security	20	20	20
Environment, Health, Safety, and Security	20	20	20
OR Technology Development and Deployment	5,000	5,000	3,000
14-D-403 Outfall 200 Mercury Treatment Facility	20,500	20,500	0
17-D-401 On-site Waste Disposal Facility	22,380	22,380	35,000
Construction - Oak Ridge	42,880	42,880	35,000
Oak Ridge (OR)	47,880	47,880	38,000
Total Y-12 Site Office	47,900	47,900	38,020

DEPARTMENT OF ENERGY

Laboratory Table

Grants FY 2023

(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Grants			
Research - Advanced Scientific Computing Research	18,097	120,394	235,650
Advanced Scientific Computing Research	18,097	120,394	235,650
Research - Basic Energy Sciences	500	370,673	418,080
Basic Energy Sciences	500	370,673	418,080
Research - Biological & Environmental Research	112,395	142,044	219,127
Biological and Environmental Research	112,395	142,044	219,127
Research - Fusion Energy Sciences	87,028	285,483	312,786
Fusion Energy Sciences	87,028	285,483	312,786
Research - High Energy Physics	112,670	184,123	198,969
High Energy Physics	112,670	184,123	198,969
Operations and Maintenance - Nuclear Physics	0	163,099	211,273
14-SC-50, Facility for Rare Isotope Beams, MSU	5,300	0	0
Construction - Nuclear Physics	5,300	0	0
Nuclear Physics	5,300	163,099	211,273
Research - Accelerator R&D and Production	0	6,123	13,271
Accelerator R&D and Production	0	6,123	13,271
Weatherization Assistance Program (EERE)	283,375	283,375	0
State Energy Program Grants (EERE)	56,000	56,000	0
Weatherization and Intergovernmental Programs	339,375	339,375	0
Energy Efficiency	339,375	339,375	0
Transmission Reliability and Resilience	1,494	1,494	3,155
Energy Delivery Grid Operations Technology	0	0	180
Resilient Distribution Systems	3,002	2,714	4,300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	10,230
Energy Storage R&D	1,751	809	19,575
20-OE-100 Grid Storage Launchpad	32	0	0
Construction - Energy Storage	32	0	0
Energy Storage	1,783	809	19,575
Transformer Resilience and Advanced Components	197	194	2,060
Applied Grid Transformation Solutions	0	0	15,000
Transmission Permitting and Technical Assistance	1,313	3,100	0
Program Direction - Electricity	2,600	0	2,543
Northeast Home Heating Oil Reserves	5,700	5,700	6,040
Clean Energy Demonstrations	0	0	25,000
Program Direction - FEMP	0	0	14,511
Grid Technical Assistance	0	0	18,600
Wholesale Electricity Market TA & Grants	0	0	14,000
Interregional & Offshore Transmission Planning	0	0	15,000
Program Direction - Grid Deployment Office	0	0	798
Program Direction - MESC	0	0	6,424
Program Direction - SCEP	0	0	24,727
Total Grants	691,454	1,625,325	1,791,299

DEPARTMENT OF ENERGY

Laboratory Table

No LPI FY 2023

(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
No LPI			
Transmission Reliability and Resilience	26	46,438	0
Resilient Distribution Systems	300	45,812	300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	270
Energy Storage R&D	18	55,904	125
Energy Storage	18	55,904	125
Transformer Resilience and Advanced Components	383	7,078	740
Applied Grid Transformation Solutions	0	0	15,000
DCEI Energy Mission Assurance	500	500	0
Transmission Permitting and Technical Assistance	128	2,818	0
Carbon Capture	0	0	163,000
Carbon Utilization	0	0	50,000
Carbon Storage	0	0	122,000
CCS and Power Systems	0	0	335,000
Advanced Energy Systems	0	0	66,869
Cross Cutting Research	0	0	31,000
Advanced Coal Energy Systems & CCUS	0	0	97,869
Mineral Sustainability	0	0	44,000
Carbon Dioxide Removal	0	0	65,000
Special Recruitment Programs	0	0	1,000
NETL Research and Operations - Fossil Energy	0	0	83,000
NETL Interagency Working Group	0	0	3,000
NETL Infrastructure - Fossil Energy	0	0	55,000
Program Direction - Fossil Energy Field	0	0	70,291
Resource Technologies and Sustainability	0	0	139,000
Artificial Intelligence and Technology Office	2,500	2,500	2,608
Miscellaneous Revenues	-93,378	-93,378	-100,578
Strategic Partnership Projects and Revenues	-93,378	-93,378	-100,578
Program Direction - Legacy Management	20,262	20,262	21,983
Legacy Management	20,262	20,262	21,983
Office of Technology Transitions (DA)	5,000	5,000	0
Technology Transitions Program Office	0	0	8,375
Title XVII Loan Guarantee Credit Subsidy	0	0	150,000
Offsetting Collections - Title 17 Innovative Technology Loan Guarantee Program	-3,000	-3,000	-48,000
Federal Contribution to the Uranium Enrichment D&D Fund	0	0	417,000
Small Sites - NDEC	0	10,000	0
Mercury Receipts	0	0	3,000
Use of Mercury Receipts	0	0	-3,000
Federal Energy Management Program	0	0	38,150
Federal Energy Efficiency Fund	0	0	60,000
Net Zero Lab Initiative Program	0	0	57,000
Facility and Workforce Assistance	0	0	18,000
Energy Sector Industrial Base	0	0	3,000
Weatherization Assistance Program (SCEP)	0	0	502,170
State Energy Program Grants (SCEP)	0	0	70,000
Energy Future Grants (SCEP)	0	0	105,000
Community Programs	0	0	25,000
Purchase Power and Wheeling - SEPA	66,163	66,353	92,687
Program Direction - SEPA	11,246	7,284	8,273

DEPARTMENT OF ENERGY

Laboratory Table

No LPI FY 2023

(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Offsetting collections (for PD) - SEPA	-7,246	-7,184	-8,173
Offsetting collections (for PPW) - SEPA	-52,000	-53,000	-78,696
Offsetting Collections - SEPA	-59,246	-60,184	-86,869
Less alternative financing (for PD) - SEPA	-4,000	-100	-100
Less alternative financing (for PPW) - SEPA	-14,163	-13,353	-13,991
Less alternative financing - SEPA	-18,163	-13,453	-14,091
Offsetting Collections (for O&M) - SWPA	-5,657	-5,657	-7,998
Offsetting Collections (for PD) - SWPA	-31,483	-31,483	-34,882
Offsetting Collections (for PPW) - SWPA	-34,000	-34,000	-70,000
Offsetting Collections - SWPA	-71,140	-71,140	-112,880
Less alternative financing (for O&M) - SWPA	-5,635	-5,635	-5,279
Less alternative financing (for Construction) - SWPA	-8,167	-8,167	-11,035
Less alternative financing (for PPW) - SWPA	-20,000	-20,000	-23,000
Less alternative financing (for PD) - SWPA	-852	-852	0
Less alternative financing - SWPA	-34,654	-34,654	-39,314
Total No LPI	-173,055	-5,860	2,087,109