

Department of Energy

FY 2022 Congressional Budget Request



State Tables Preliminary

Department of Energy

FY 2022 Congressional Budget Request



State Tables

Preliminary

The numbers depicted in this document represent the gross level of DOE budget authority for the years displayed. The figures include discretionary and supplemental funding. They do not consider revenues/receipts, use of prior year balances, deferrals, rescissions, or other adjustments appropriated as offsets to the DOE appropriations by the Congress.



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State Table Summary Report
FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Alabama	5,197	4,939	5,482
Alaska	3,390	2,624	2,841
American Samoa	520	508	517
Arizona	6,031	4,770	4,614
Arkansas	3,312	3,229	3,635
California	3,407,926	3,752,088	3,720,436
Colorado	2,414,869	2,218,674	3,552,890
Connecticut	6,735	5,687	6,270
Delaware	5,427	1,937	1,313
District of Columbia	5,797,965	6,526,289	7,975,552
Florida	22,539	15,377	15,744
Georgia	92,600	104,955	105,660
Guam	542	531	545
Hawaii	1,968	1,686	2,165
Idaho	2,013,420	2,247,103	2,472,829
Illinois	1,848,643	1,905,152	1,930,547
Indiana	17,050	12,014	12,852
Iowa	67,456	77,430	75,266
Kansas	7,804	4,824	5,176
Kentucky	335,709	336,933	297,226
Louisiana	3,532	3,410	3,799
Maine	4,499	4,245	4,614
Maryland	25,640	10,932	6,170
Massachusetts	47,644	27,464	26,499
Michigan	101,079	29,811	24,970
Minnesota	21,038	13,907	16,359
Mississippi	2,770	3,710	3,858
Missouri	1,056,199	1,210,526	1,302,631
Montana	5,653	4,900	5,125
Nebraska	4,703	4,572	3,888
Nevada	648,211	857,608	785,969
New Hampshire	2,575	2,374	2,593
New Jersey	122,050	96,501	112,685
New Mexico	6,625,447	8,001,842	8,090,489
New York	1,481,083	1,375,459	1,590,698
North Carolina	12,286	9,470	8,884
North Dakota	3,586	3,333	3,499
Northern Mariana Islands	522	509	519

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FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Ohio	602,241	694,297	694,312
Oklahoma	141,141	162,092	42,178
Oregon	4,887	5,654	5,997
Pennsylvania	1,165,915	1,059,429	1,245,211
Puerto Rico	1,682	1,796	2,286
Rhode Island	4,810	3,845	2,567
South Carolina	2,632,310	2,815,003	3,132,793
South Dakota	33,329	32,653	31,722
Tennessee	4,581,099	4,721,239	4,444,283
Texas	875,752	1,003,409	1,036,811
Undesignated State	424,973	546,668	2,157,303
U.S. Virgin Islands	569	541	560
Utah	51,678	51,278	88,427
Vermont	2,087	1,993	2,168
Virginia	176,769	160,552	211,809
Washington	3,349,583	3,439,107	3,412,783
West Virginia	38,647	43,740	60,321
Wisconsin	48,672	43,371	41,351
Wyoming	2,607	1,783	1,869
Total DOE by State	40,366,371	43,675,773	48,799,560

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State Table

Alabama FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Alabama			
Research - Biological & Environmental Research	521	0	0
Biological and Environmental Research	521	0	0
Research - Fusion Energy Sciences	540	50	0
Fusion Energy Sciences	540	50	0
Research - High Energy Physics	0	819	485
High Energy Physics	0	819	485
Research - Accelerator R&D and Production	0	0	335
Accelerator R&D and Production	0	0	335
Science Programs	1,061	869	820
Weatherization Assistance Program	3,222	3,156	3,748
Weatherization	3,222	3,156	3,748
State Energy Program Grants	914	914	914
Weatherization and Intergovernmental Programs	4,136	4,070	4,662
Energy Efficiency	4,136	4,070	4,662
Energy Efficiency and Renewable Energy Programs	4,136	4,070	4,662
Total Alabama	5,197	4,939	5,482

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State Table
 Alaska FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Alaska			
Research - Biological & Environmental Research	623	0	0
Biological and Environmental Research	623	0	0
Science Programs	623	0	0
Weatherization Assistance Program	2,319	2,178	2,395
Weatherization	2,319	2,178	2,395
State Energy Program Grants	448	446	446
Weatherization and Intergovernmental Programs	2,767	2,624	2,841
Energy Efficiency	2,767	2,624	2,841
Energy Efficiency and Renewable Energy Programs	2,767	2,624	2,841
Total Alaska	3,390	2,624	2,841

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State Table
 American Samoa FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
American Samoa			
Weatherization Assistance Program	221	209	218
Weatherization	221	209	218
State Energy Program Grants	299	299	299
Weatherization and Intergovernmental Programs	520	508	517
Energy Efficiency	520	508	517
Energy Efficiency and Renewable Energy Programs	520	508	517
Total American Samoa	520	508	517

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State Table
 Arizona FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Arizona			
Research - Basic Energy Sciences	442	0	0
Basic Energy Sciences	442	0	0
Research - Biological & Environmental Research	1,302	741	0
Biological and Environmental Research	1,302	741	0
Research - High Energy Physics	1,334	1,015	995
High Energy Physics	1,334	1,015	995
Science Programs	3,078	1,756	995
Weatherization Assistance Program	2,067	2,132	2,737
Weatherization	2,067	2,132	2,737
State Energy Program Grants	886	882	882
Weatherization and Intergovernmental Programs	2,953	3,014	3,619
Energy Efficiency	2,953	3,014	3,619
Energy Efficiency and Renewable Energy Programs	2,953	3,014	3,619
Total Arizona	6,031	4,770	4,614

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State Table

Arkansas FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Arkansas			
Weatherization Assistance Program	2,619	2,533	2,939
Weatherization	2,619	2,533	2,939
State Energy Program Grants	693	696	696
Weatherization and Intergovernmental Programs	3,312	3,229	3,635
Energy Efficiency	3,312	3,229	3,635
Energy Efficiency and Renewable Energy Programs	3,312	3,229	3,635
Total Arkansas	3,312	3,229	3,635

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State Table
California FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
California			
B61 Life Extension Program	2,200	695	695
W80-4 Life Extension Program	176,637	173,304	194,517
W80-4 Alteration-SLCM	0	0	2,000
W87-1 Modification Program	44,000	200,000	225,000
W93 Program	0	4,000	3,000
Stockpile Major Modernization	222,837	377,999	425,212
Stockpile Sustainment	88,554	83,839	105,672
Weapons Dismantlement and Disposition	3,900	1,472	500
Production Operations	5,955	5,819	5,476
Stockpile Management	321,246	469,129	536,860
Plutonium Modernization	36,755	51,361	68,580
High Explosives & Energetics	8,068	14,000	16,000
Primary Capability Modernization	44,823	65,361	84,580
Secondary Capability Modernization	3,905	4,300	9,900
Tritium and Domestic Uranium Enrichment	37	38	40
Non-Nuclear Capability Modernization	0	850	0
Production Modernization	48,765	70,549	94,520
Assessment Science	152,415	212,439	213,151
Engineering and Integrated Assessments	71,103	90,719	87,641
Inertial Confinement Fusion	335,876	355,180	324,680
Advanced Simulation and Computing	290,442	300,172	255,729
Weapons Technology and Manufacturing Maturation	36,235	35,710	36,577
Academic Programs	2,000	1,000	1,462
Stockpile Research, Technology, and Engineering	888,071	995,220	919,240
Operations of Facilities	75,625	80,205	80,000
Safety and Environmental Operations	35,738	16,532	33,644
Maintenance and Repair of Facilities	14,770	35,483	34,000
Infrastructure and Safety	59,903	100,970	93,040
Capabilities Based Investments	17,662	33,030	26,000
Recapitalization	77,565	134,000	119,040
Operating	203,698	266,220	266,684
18-D-620, Exascale Computing Facility Modernization Project, LLNL	50,000	29,200	0
Programmatic	50,000	29,200	0
22-D-514 Digital Infrastructure Capability Expansion, LLNL	0	0	8,000
15-D-612, Emergency Operations Center, LLNL	5,000	27,000	0
Mission Enabling	5,000	27,000	8,000
I&O - Construction	55,000	56,200	8,000
Infrastructure and Operations	258,698	322,420	274,684
Defense Nuclear Security (DNS)	67,135	69,430	71,302
Defense Nuclear Security	67,135	69,430	71,302
Information Technology and Cyber Security	30,146	31,337	19,619
Weapons Activities Programs	1,614,061	1,958,085	1,916,225
International Nuclear Security	8,830	7,279	7,371
Domestic Radiological Security	0	470	401
International Radiological Security	4,716	4,991	4,714
Nuclear Smuggling Detection and Deterrence	4,090	3,856	3,856
Global Material Security	17,636	16,596	16,342
Conversion (formerly HEU Reactor Conversion)	0	500	0

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California FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Material Disposition	100	0	100
Material Management and Minimization	100	500	100
Nonproliferation & Arms Control	24,505	27,302	27,816
National Technical Nuclear Forensics (NTNF) R&D	0	12,422	0
Proliferation Detection R&D	56,378	38,559	40,738
Nuclear Detonation Detection	9,694	22,742	23,083
Nonproliferation Stewardship Program	4,450	6,950	12,770
National Technical Nuclear Forensics R&D	0	0	13,974
Defense Nuclear Nonproliferation R&D	70,522	68,251	90,565
Emergency Operations	624	89	635
Counterterrorism and Counterproliferation	51,812	67,269	70,566
Nuclear Counterterrorism & Incident Response	52,436	67,358	71,201
Defense Nuclear Nonproliferation Programs	165,199	192,429	206,024
Program Direction - National Nuclear Security Administration	21,114	17,768	20,371
Federal Salaries and Expenses Programs	21,114	17,768	20,371
Research - Advanced Scientific Computing Research	220,639	246,215	224,777
Advanced Scientific Computing Research	220,639	246,215	224,777
Research - Basic Energy Sciences	436,167	364,831	380,769
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	0	1,000	1,000
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	60,000	62,000	75,100
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	50,000	52,000	50,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	0	33,000	28,100
Construction - Basic Energy Sciences	110,000	148,000	154,200
Basic Energy Sciences	546,167	512,831	534,969
Research - Biological & Environmental Research	232,569	214,303	203,806
Biological and Environmental Research	232,569	214,303	203,806
Research - Fusion Energy Sciences	88,339	90,435	84,007
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	15,000	15,000	5,000
Construction - Fusion Energy Sciences	15,000	15,000	5,000
Fusion Energy Sciences	103,339	105,435	89,007
Research - High Energy Physics	148,886	176,580	156,084
High Energy Physics	148,886	176,580	156,084
Operations and Maintenance - Nuclear Physics	25,034	25,842	29,198
Nuclear Physics	25,034	25,842	29,198
Research - Accelerator R&D and Production	0	0	3,830
Accelerator R&D and Production	0	0	3,830
Workforce Development for Teachers & Scientists	2,834	0	0
20-SC-72, Seismic and Safety Modernization, LBNL	10,000	5,000	27,500
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	11,000	11,000	12,000
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	500	500	12,850
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	500	500	10,000
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	15,000	20,000	35,000
Construction - Science Laboratories Infrastructure	37,000	37,000	97,350
Science Laboratories Infrastructure	37,000	37,000	97,350
Safeguards and Security - SC	11,503	11,589	20,949
Program Direction - SC	5,834	6,027	5,983
Science Programs	1,333,805	1,335,822	1,365,953
Vehicle Technologies	22,500	25,436	30,416
Bioenergy Technologies	9,749	7,375	7,950
Hydrogen and Fuel Cells Technologies	10,128	7,935	17,537

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State Table

California FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Sustainable Transportation	42,377	40,746	55,903
Geothermal Technologies	4,155	2,300	0
Solar Energy Technologies	4,396	3,292	4,545
Wind Energy Technologies	3,001	2,555	5,200
Renewable Energy	11,552	8,147	9,745
Building Technologies	45,351	37,809	36,462
Advanced Manufacturing	15,068	15,372	9,600
Weatherization Assistance Program	8,541	33,150	9,912
Training and Technical Assistance	200	75	200
Weatherization Readiness Fund	0	0	100
Weatherization	8,741	33,225	10,212
State Energy Program Grants	4,684	4,267	4,792
Local Government Clean Energy Workforce Program	0	0	100
Weatherization and Intergovernmental Programs	13,425	37,492	15,104
Federal Energy Management Program	4,020	4,000	6,000
Energy Efficiency	77,864	94,673	67,166
Strategic Programs	2,050	1,300	3,500
Corporate Support	2,050	1,300	3,500
Energy Efficiency and Renewable Energy Programs	133,843	144,866	136,314
Transmission Reliability and Resilience	5,548	7,827	3,900
Resilient Distribution Systems	2,317	2,550	2,800
Energy Storage Research	1,050	0	0
Energy Storage	1,050	0	0
Grid Operations Technology	0	0	5,000
Transmission Permitting and Technical Assistance	325	0	1,000
Electricity Programs	9,240	10,377	12,700
Cybersecurity for Energy Delivery Systems	2,600	0	0
Infrastructure Security and Energy Restoration	4,000	3,300	0
Risk Management Technology and Tools	0	0	2,000
Information Sharing, Partnerships and Exercises	0	0	3,000
Cybersecurity, Energy Security, and Emergency Response Programs	6,600	3,300	5,000
Carbon Capture	1,618	1,185	2,059
Carbon Storage	5,209	4,115	6,094
CCUS & Power Systems	6,827	5,300	8,153
Cross Cutting Research	2,332	2,040	1,520
Advanced Coal Energy Systems & CCUS	2,332	2,040	1,520
Unconventional Fossil Energy Technologies from Petroleum-Oil Technologies	2,924	2,924	0
Natural Gas Technologies Research	2,294	500	0
Fossil Energy and Carbon Management Programs	14,377	10,764	9,673
Light Water Reactor Sustainability	359	306	10
Advanced Reactor Technologies	50	50	50
Reactors Concepts RD&D	409	356	60
Materials Recovery and Waste Form Development (MRWFD)	40	33	47
Accident Tolerant Fuels	314	345	380
Used Nuclear Fuel Disposition R&D	4,036	4,050	4,050
Fuel Cycle Research and Development FCRD	4,390	4,428	4,477
Crosscutting Technology Development	251	311	0
Joint Modeling and Simulation Program	200	200	200
Nuclear Energy Enabling Technologies	451	511	200
Nuclear Energy Programs	5,250	5,295	4,737

DEPARTMENT OF ENERGY

State Table

California FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Strategic Partnership Projects	3,500	3,308	3,308
Departmental Administration Programs	3,500	3,308	3,308
Environment, Health, Safety & Security	3,050	3,050	3,100
Environment, Health, Safety, and Security	3,050	3,050	3,100
Other Defense Activities Programs	3,050	3,050	3,100
Office of Technology Transitions	160	160	225
Lawrence Livermore National Laboratory (LLNL)	1,727	1,764	1,806
LLNL Excess Facilities D&D	65,000	35,000	35,000
NNSA Sites and Nevada Off-Sites	66,727	36,764	36,806
Defense Environmental Cleanup Programs	66,727	36,764	36,806
Small Sites - NDEC	31,000	30,100	0
Non-Defense Environmental Cleanup Programs	31,000	30,100	0
Total California	3,407,926	3,752,088	3,720,436

DEPARTMENT OF ENERGY

State Table
 Colorado FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Colorado			
Research - Basic Energy Sciences	12,109	5,742	5,742
Basic Energy Sciences	12,109	5,742	5,742
Research - Biological & Environmental Research	13,153	6,820	7,774
Biological and Environmental Research	13,153	6,820	7,774
Research - Fusion Energy Sciences	778	375	375
Fusion Energy Sciences	778	375	375
Research - High Energy Physics	2,393	2,876	2,968
High Energy Physics	2,393	2,876	2,968
Research - Accelerator R&D and Production	0	0	390
Accelerator R&D and Production	0	0	390
Workforce Development for Teachers & Scientists	2,095	0	0
Science Programs	30,528	15,813	17,249
Vehicle Technologies	20,200	34,550	36,500
Bioenergy Technologies	145,577	150,000	222,500
Hydrogen and Fuel Cells Technologies	86,414	75,927	99,240
Sustainable Transportation	252,191	260,477	358,240
Geothermal Technologies	49,600	65,656	132,960
Solar Energy Technologies	198,281	215,157	296,642
Water Power Technologies	81,388	71,656	85,720
Wind Energy Technologies	65,000	70,636	143,655
Renewable Energy	394,269	423,105	658,977
Building Technologies	68,437	52,343	78,075
Advanced Manufacturing	276,699	90,982	420,513
Weatherization Assistance Program	8,266	7,657	51,241
Training and Technical Assistance	1,300	3,875	5,850
Weatherization Readiness Fund	0	0	3,400
Weatherization	9,566	11,532	60,491
State Energy Program Grants	3,970	3,521	4,896
Local Government Clean Energy Workforce Program	0	0	2,900
Weatherization and Intergovernmental Programs	13,536	15,053	68,287
Federal Energy Management Program	18,362	22,000	413,330
Energy Efficiency	377,034	180,378	980,205
Program Direction - Energy Efficiency and Renewable Energy	24,516	24,516	37,145
Strategic Programs	6,150	5,500	6,785
Facilities and Infrastructure - NREL	130,000	130,000	167,000
Total Facilities and Infrastructure	130,000	130,000	167,000
Corporate Support	160,666	160,016	210,930
Energy Efficiency and Renewable Energy Programs	1,184,160	1,023,976	2,208,352
Transmission Reliability and Resilience	4,099	5,319	2,500
Resilient Distribution Systems	4,625	3,500	4,300
Energy Storage Research	250	0	0
Energy Storage	250	0	0
Cyber R&D	0	0	500
Transformer Resilience and Advanced Components	300	400	1,000
Grid Operations Technology	0	0	7,000
Transmission Permitting and Technical Assistance	979	325	1,000
Electricity Programs	10,253	9,544	16,300
Infrastructure Security and Energy Restoration	5,000	0	0

DEPARTMENT OF ENERGY

State Table
 Colorado FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Cybersecurity, Energy Security, and Emergency Response Programs	5,000	0	0
Carbon Utilization	0	2,250	3,717
CCUS & Power Systems	0	2,250	3,717
Cross Cutting Research	350	306	228
Advanced Coal Energy Systems & CCUS	350	306	228
Fossil Energy and Carbon Management Programs	350	2,556	3,945
Materials Recovery and Waste Form Development (MRWFD)	98	0	0
Accident Tolerant Fuels	74	0	0
Fuel Cycle Research and Development FCRD	172	0	0
Crosscutting Technology Development	124	142	0
Nuclear Energy Enabling Technologies	124	142	0
International Nuclear Energy Cooperation	0	0	100
Program Direction - Nuclear Energy	100	0	0
Nuclear Energy Programs	396	142	100
Strategic Partnership Projects	500	500	500
Departmental Administration Programs	500	500	500
Legacy Management Activities - Defense	70,505	66,976	85,602
Legacy Management	70,505	66,976	85,602
Other Defense Activities Programs	70,505	66,976	85,602
Office of Technology Transitions	1,378	1,378	1,284
Loan Guarantee Program	35	0	0
Title XVII Loan Guarantee Programs	35	0	0
Administrative Expenses - Tribal Energy Loan Guarantee Program	50	50	50
Tribal Energy Loan Guarantee Programs	50	50	50
Closure Sites Administration	1,900	1,800	582
Defense Environmental Cleanup Programs	1,900	1,800	582
System Operation And Maintenance - CROM	72,176	77,874	81,983
Construction And Rehabilitation - CROM	45,887	26,251	35,185
Purchase Power And Wheeling - CROM	515,769	485,890	589,677
Program Direction - CROM	250,091	253,575	267,246
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	883,923	843,590	974,091
Western Area Power Administration Programs	883,923	843,590	974,091
Falcon And Amistad Operation And Maintenance	5,647	7,302	7,545
Falcon & Amistad Operating & Maintenance Programs	5,647	7,302	7,545
Program Direction - Colorado River Basins Fund	67,112	70,316	74,581
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	153,132	174,731	162,709
Colorado River Basins Fund	220,244	245,047	237,290
Colorado River Basins Power Marketing Fund (CRBPMF) Programs	220,244	245,047	237,290
Total Colorado	2,414,869	2,218,674	3,552,890

DEPARTMENT OF ENERGY

State Table

Connecticut FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Connecticut			
Research - Basic Energy Sciences	1,200	0	0
Basic Energy Sciences	1,200	0	0
Research - High Energy Physics	1,240	1,500	1,510
High Energy Physics	1,240	1,500	1,510
Science Programs	2,440	1,500	1,510
Weatherization Assistance Program	3,525	3,417	3,990
Weatherization	3,525	3,417	3,990
State Energy Program Grants	770	770	770
Weatherization and Intergovernmental Programs	4,295	4,187	4,760
Energy Efficiency	4,295	4,187	4,760
Energy Efficiency and Renewable Energy Programs	4,295	4,187	4,760
Total Connecticut	6,735	5,687	6,270

DEPARTMENT OF ENERGY

State Table

Delaware FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Delaware			
Research - Basic Energy Sciences	3,200	0	0
Basic Energy Sciences	3,200	0	0
Research - Biological & Environmental Research	1,020	750	0
Biological and Environmental Research	1,020	750	0
Science Programs	4,220	750	0
Weatherization Assistance Program	804	783	909
Weatherization	804	783	909
State Energy Program Grants	403	404	404
Weatherization and Intergovernmental Programs	1,207	1,187	1,313
Energy Efficiency	1,207	1,187	1,313
Energy Efficiency and Renewable Energy Programs	1,207	1,187	1,313
Total Delaware	5,427	1,937	1,313

DEPARTMENT OF ENERGY
State Table
District of Columbia FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
District of Columbia			
B61 Life Extension Program	8,019	10,196	13,349
W76-2 Modification Program	3,606	0	0
W88 Alteration Program	3,077	3,212	6,946
W80-4 Life Extension Program	9,090	12,504	16,365
W80-4 Alteration-SLCM	0	0	300
W87-1 Modification Program	1,133	6,763	20,731
W93 Program	0	663	2,160
Stockpile Major Modernization	24,925	33,338	59,851
Stockpile Sustainment	13,192	21,125	40,283
Weapons Dismantlement and Disposition	2,067	1,275	1,530
Production Operations	14,079	13,198	22,758
Stockpile Management	54,263	68,936	124,422
Los Alamos Plutonium Operations	0	9,007	9,906
21-D-512, Plutonium Pit Production Project, LANL	1,156	0	0
Los Alamos Plutonium Modernization	1,156	9,007	9,906
Savannah River Plutonium Operations	0	1,125	1,920
Savannah River Plutonium Modernization	0	1,125	1,920
Plutonium Modernization	17,754	11,267	13,432
High Explosives & Energetics	0	8,842	1,031
Primary Capability Modernization	17,754	20,109	14,463
Secondary Capability Modernization	31,259	65,510	54,374
Uranium Reserve - NA	0	75,000	0
Tritium and Domestic Uranium Enrichment	96,448	169,776	79,066
Non-Nuclear Capability Modernization	2,873	32,112	21,047
Production Modernization	148,334	287,507	168,950
Assessment Science	17,066	95,646	53,025
Engineering and Integrated Assessments	11,752	4,317	6,727
Inertial Confinement Fusion	7,851	15,920	14,558
Advanced Simulation and Computing	69,663	43,373	120,354
Weapons Technology and Manufacturing Maturation	4,053	3,724	5,800
Stockpile Research, Technology, and Engineering	110,385	162,980	200,464
Operations of Facilities	4,234	26,870	34,000
Safety and Environmental Operations	3,888	56,411	7,551
Maintenance and Repair of Facilities	51,669	100,517	99,000
Infrastructure and Safety	27,676	48,176	32,520
Capabilities Based Investments	15,898	14,597	26,466
Planning for Programmatic Construction (Pre-CD-1)	0	10,000	0
Recapitalization	43,574	72,773	58,986
Operating	103,365	256,571	199,537
22-D-513, Power Sources Capability, SNL	0	0	827
21-D-510, HE Synthesis, Formulation, and Production Facility, PX	0	3,000	0
18-D-650, Tritium Finishing Facility, SRS	0	18,000	0
17-D-640, U1a Complex Enhancements Project, NNSS	0	8,000	5,000
15-D-301, HE Science & Engineering Facility, PX	74,120	0	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	0	2,000	0
Chemistry and Metallurgy Research Replacement (CMRR)	0	2,000	0
Programmatic	74,120	31,000	5,827
I&O - Construction	74,120	31,000	5,827

DEPARTMENT OF ENERGY
State Table
District of Columbia FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Infrastructure and Operations	177,485	287,571	205,364
Program Direction - STA - Federal Support	107,660	123,684	117,060
Secure Transportation Asset	107,660	123,684	117,060
Defense Nuclear Security (DNS)	88,107	69,878	63,749
Defense Nuclear Security	88,107	69,878	63,749
Information Technology and Cyber Security	163,426	216,768	279,044
Legacy Contractor Pensions (WA)	91,200	101,668	78,656
Weapons Activities Programs	940,860	1,318,992	1,237,709
International Nuclear Security	6,442	25,020	25,336
Domestic Radiological Security	28,981	23,332	19,927
International Radiological Security	9,044	2,456	2,319
Nuclear Smuggling Detection and Deterrence	1,828	2,797	2,797
Global Material Security	46,295	53,605	50,379
Conversion (formerly HEU Reactor Conversion)	7	15,016	6,500
Nuclear Material Removal	1,023	1,640	1,000
Material Disposition	8,669	21,644	15,792
Laboratory and Partnership Support	35,971	51,613	0
Material Management and Minimization	45,670	89,913	23,292
Nonproliferation & Arms Control	12,199	12,252	10,787
National Technical Nuclear Forensics (NTNF) R&D	0	1,288	0
Proliferation Detection R&D	11,220	32,047	33,857
Nuclear Detonation Detection	3,544	4,595	4,664
Nonproliferation Fuels Development	0	260	0
Nonproliferation Stewardship Program	0	13,480	13,480
National Technical Nuclear Forensics R&D	0	0	1,449
Defense Nuclear Nonproliferation R&D	14,764	50,382	53,450
99-D-143, Mixed Oxide Fuel Fabrication Facility, SRS	219,600	0	0
18-D-150, Surplus Plutonium Disposition Project, SRS	1,007	3,262	2,741
Nonproliferation Construction	220,607	3,262	2,741
Emergency Operations	11,819	11,269	12,321
Counterterrorism and Counterproliferation	60,019	33,940	34,736
Nuclear Counterterrorism & Incident Response	71,838	45,209	47,057
Legacy Contractor Pensions (DNN)	13,700	14,348	38,800
Defense Nuclear Nonproliferation Programs	425,073	270,259	226,506
Naval Reactors Development	1,908	1,955	1,980
Naval Reactors Operations and Infrastructure	9,663	9,953	13,500
Program Direction - Naval Reactors	30,260	31,020	33,347
Naval Reactors Programs	41,831	42,928	48,827
Program Direction - National Nuclear Security Administration	306,893	321,955	337,785
Federal Salaries and Expenses Programs	306,893	321,955	337,785
Research - Advanced Scientific Computing Research	108,321	88,623	114,657
Advanced Scientific Computing Research	108,321	88,623	114,657
Research - Basic Energy Sciences	125,528	439,674	156,830
Basic Energy Sciences	125,528	439,674	156,830
Research - Biological & Environmental Research	34,703	7,913	99,905
Biological and Environmental Research	34,703	7,913	99,905
Research - Fusion Energy Sciences	143,174	124,899	168,532
Fusion Energy Sciences	143,174	124,899	168,532
Research - High Energy Physics	95,025	68,459	101,142
High Energy Physics	95,025	68,459	101,142

DEPARTMENT OF ENERGY

State Table

District of Columbia FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Operations and Maintenance - Nuclear Physics	79,483	67,784	28,313
20-SC-51, U.S. Stable Isotope Production and Research Center, (SIPRC)	0	0	12,000
Construction - Nuclear Physics	0	0	12,000
Nuclear Physics	79,483	67,784	40,313
Research - Isotope R&D and Production	0	0	78,000
Isotope R&D and Production	0	0	78,000
Research - Accelerator R&D and Production	0	0	7,774
Accelerator R&D and Production	0	0	7,774
Facilities and Infrastructure (SLI)	38,578	29,590	0
Science Laboratories Infrastructure	38,578	29,590	0
Safeguards and Security - SC	11,669	17,096	18,876
Program Direction - SC	97,902	105,832	113,763
Science Programs	734,383	949,870	899,792
Vehicle Technologies	59,500	49,209	53,500
Bioenergy Technologies	31,463	42,795	56,000
Hydrogen and Fuel Cells Technologies	10,578	11,846	12,804
Sustainable Transportation	101,541	103,850	122,304
Geothermal Technologies	20,839	5,111	10,800
Solar Energy Technologies	69,954	53,534	74,320
Water Power Technologies	37,876	44,534	77,956
Wind Energy Technologies	16,329	14,434	30,308
Renewable Energy	144,998	117,613	193,384
Building Technologies	54,945	137,399	205,195
Advanced Manufacturing	34,204	203,546	46,837
Weatherization Assistance Program	7,565	750	22,810
Training and Technical Assistance	0	550	1,900
Weatherization Readiness Fund	0	0	17,000
Weatherization	7,565	1,300	41,710
State Energy Program Grants	2,476	2,763	300,827
Local Government Clean Energy Workforce Program	0	0	22,000
Weatherization and Intergovernmental Programs	10,041	4,063	364,537
Federal Energy Management Program	6,221	4,802	5,225
Energy Efficiency	105,411	349,810	621,794
Program Direction - Energy Efficiency and Renewable Energy	129,556	129,556	196,297
Strategic Programs	4,300	4,800	29,300
Corporate Support	133,856	134,356	225,597
Energy Efficiency and Renewable Energy Programs	485,806	705,629	1,163,079
Transmission Reliability and Resilience	1,700	1,750	3,000
Resilient Distribution Systems	600	1,900	900
Energy Storage Research	2	500	500
Energy Storage	2	500	500
Transformer Resilience and Advanced Components	644	318	400
Grid Operations Technology	0	0	750
DCEI Energy Mission Assurance	0	500	0
Transmission Permitting and Technical Assistance	4,047	2,385	2,450
Program Direction - Electricity	14,751	14,578	16,440
Electricity Programs	21,743	21,931	24,440
Cybersecurity for Energy Delivery Systems	10,700	2,000	0
Infrastructure Security and Energy Restoration	11,500	8,175	0
Risk Management Technology and Tools	0	0	10,000

DEPARTMENT OF ENERGY
State Table
District of Columbia FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Response and Restoration	0	0	5,000
Information Sharing, Partnerships and Exercises	0	0	4,000
Program Direction - CESER	8,698	10,000	14,000
Cybersecurity, Energy Security, and Emergency Response Programs	30,898	20,175	33,000
Carbon Capture	97,138	71,163	123,690
Carbon Utilization	0	16,385	27,071
Carbon Storage	67,636	53,433	79,134
Mineral Sustainability	0	35,318	29,987
Carbon Dioxide Removal	0	38,100	60,008
Advanced Energy & Hydrogen Systems	87,927	67,411	60,084
CCUS & Power Systems	252,701	281,810	379,974
Cross Cutting Research	27,111	23,722	17,670
Advanced Coal Energy Systems & CCUS	27,111	23,722	17,670
Program Direction - Fossil Energy	31,353	31,353	34,520
Special Recruitment Programs	700	700	700
Import Export Authorization	2,367	2,367	2,880
Unconventional Fossil Energy Technologies from Petroleum-Oil Technologies	858	858	0
Natural Gas Technologies Research	24,505	30,250	91,000
Fossil Energy and Carbon Management Programs	339,595	371,060	526,744
Integrated University Program	22	9	9
STEP R&D	236	689	0
Advanced SMR R&D	4,067	2,157	1,707
Light Water Reactor Sustainability	16,381	1,820	2,000
Advanced Reactor Technologies	19,058	1,879	3,700
Versatile Advanced Test Reactor	447	0	0
Reactors Concepts RD&D	39,953	5,856	7,407
Mining, Conversion, and Transportation	1,100	1,100	2,000
Materials Recovery and Waste Form Development (MRWFD)	1,151	1,038	1,362
HALEU for R&D and Demonstration Reactors	0	0	1,140
Accident Tolerant Fuels	9,120	15,153	15,286
Triso Fuel and Graphite Qualification	1,562	7,938	7,450
Fuel Cycle Laboratory R&D	1,118	2,260	5,288
Used Nuclear Fuel Disposition R&D	3,043	3,000	3,000
Integrated Waste Management System	11,050	2,800	8,100
Fuel Cycle Research and Development FCRD	28,144	33,289	43,626
Crosscutting Technology Development	2,469	12,731	21,300
Joint Modeling and Simulation Program	4,938	3,015	4,600
Nuclear Science User Facilities	1,424	3,500	2,000
Transformational Challenge Reactor	1,244	5,889	0
Nuclear Energy Enabling Technologies	10,075	25,135	27,900
National Reactor Innovation Center	195	587	3,171
Demonstration 1	79,405	79,846	108,500
Demonstration 2	79,406	79,846	136,450
Risk Reduction for Future Demonstration	29,951	1,552	0
Regulatory Development	3,477	725	1,648
Advanced Reactors Safeguards	230	385	385
Advanced Reactors Demonstration Program	192,664	162,941	250,154
Other Project Costs - Versatile Test Reactor	0	65	210
Versatile Test Reactor Project	0	65	210
INL Facilities Operations and Maintenance	638	894	900

DEPARTMENT OF ENERGY
State Table
District of Columbia FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Oak Ridge Nuclear Infrastructure	43	74	0
Research Reactor Infrastructure	39	20	20
Infrastructure	720	988	920
Idaho Sitewide Safeguards & Security	347	50	100
International Nuclear Energy Cooperation	0	0	200
Program Direction - Nuclear Energy	42,145	39,015	46,570
Nuclear Energy Programs	314,306	268,037	377,096
Interim Storage	0	7,540	0
Oversight Activities Nuclear Waste Disposal	0	7,500	7,500
Nuclear Waste Programs	0	15,040	7,500
Office Of The Secretary	5,119	5,582	5,582
Congressional & Intergovernmental Affairs	4,395	5,000	6,000
Office of the Chief Financial Officer	52,000	53,590	56,591
Economic Impact & Diversity	8,669	8,727	17,860
Chief Information Officer	140,200	140,200	139,008
Office of International Affairs - IA	23,578	25,800	29,475
Other Departmental Administration	138,182	141,662	193,617
Strategic Partnership Projects	0	6,722	13,422
Departmental Administration Programs	372,143	387,283	461,555
Program Direction - Environment, Health, Safety and Security	71,000	72,000	73,588
Environment, Health, Safety & Security	120,320	117,801	116,213
Environment, Health, Safety, and Security	191,320	189,801	189,801
Program Direction - Office of Enterprise Assessments	54,711	54,635	56,049
Enterprise Assessments	23,918	24,285	27,185
Office of Enterprise Assessments	78,629	78,920	83,234
Specialized Security Activities	273,409	283,500	283,500
Legacy Management Activities - Defense	47,246	55,413	305,084
Legacy Management	47,246	55,413	305,084
Office of Hearings and Appeals	4,852	4,262	4,356
Other Defense Activities Programs	595,456	611,896	865,975
Office of Technology Transitions	5,312	8,871	14,573
Indian Energy Policy & Programs	17,000	17,000	116,477
Program Direction - Indian Energy Program	5,000	5,000	5,523
Indian Energy Policy and Programs (IEPP)	22,000	22,000	122,000
ARPA-E Projects	390,000	392,000	463,000
Program Direction - ARPA-E	35,000	35,000	37,000
Advanced Research Projects Agency - Energy Programs	425,000	427,000	500,000
ARPA-C Projects	0	0	180,000
Program Direction - ARPA-C	0	0	20,000
Advanced Research Projects Agency - Climate Programs	0	0	200,000
Energy Information Administration (EIA)	126,800	126,800	126,800
Loan Guarantee Program	31,765	31,850	31,700
Title XVII Loan Guarantee Programs	31,765	31,850	31,700
Administrative Expenses - Tribal Energy Loan Guarantee Program	1,950	1,950	1,950
Tribal Energy Loan Guarantee Programs	1,950	1,950	1,950
Advanced Technology Vehicle Manufacturing Loan Program	4,924	5,000	5,000
Advanced Technology Vehicles Manufacturing Loan Programs	4,924	5,000	5,000
Program Direction - Defense Environmental Cleanup	90,583	85,595	84,542
Program Support - Defense Environmental Cleanup	12,979	12,979	62,979
Technology Development and Deployment	25,000	30,000	25,000

DEPARTMENT OF ENERGY

State Table

District of Columbia FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Defense Environmental Cleanup Programs	128,562	128,574	172,521
Management and Storage of Elemental Mercury	1,200	2,100	2,100
Non-Defense Environmental Cleanup Programs	1,200	2,100	2,100
Uranium Enrichment D&D Fund-U Th Reimbursements	5,250	5,000	33,500
Uranium Enrichment D&D Programs	5,250	5,000	33,500
Program Direction - OCED	0	0	13,500
Office of Clean Energy Demonstration (OCED) Programs	0	0	13,500
Program Direction - Office of Inspector General	54,215	57,739	78,000
Inspector General Programs	54,215	57,739	78,000
Just and Reasonable Rates, Terms, and Conditions	176,468	182,261	213,353
Safe, Reliable, Secure, & Efficient Infrastructure	132,286	142,757	160,169
Mission Support through Organizational Excellence	73,246	79,332	90,378
Federal Energy Regulatory Commission Programs	382,000	404,350	463,900
Total District of Columbia	5,797,965	6,526,289	7,975,552

DEPARTMENT OF ENERGY

State Table
 Florida FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Florida			
Research - Basic Energy Sciences	5,861	0	0
Basic Energy Sciences	5,861	0	0
Research - Biological & Environmental Research	3,110	1,461	1,461
Biological and Environmental Research	3,110	1,461	1,461
Research - High Energy Physics	4,118	4,035	3,545
High Energy Physics	4,118	4,035	3,545
Research - Accelerator R&D and Production	0	0	525
Accelerator R&D and Production	0	0	525
Science Programs	13,089	5,496	5,531
Weatherization Assistance Program	3,058	3,293	4,496
Weatherization	3,058	3,293	4,496
State Energy Program Grants	2,059	2,053	2,053
Weatherization and Intergovernmental Programs	5,117	5,346	6,549
Energy Efficiency	5,117	5,346	6,549
Energy Efficiency and Renewable Energy Programs	5,117	5,346	6,549
Legacy Management Activities - Defense	4,333	4,535	3,664
Legacy Management	4,333	4,535	3,664
Other Defense Activities Programs	4,333	4,535	3,664
Total Florida	22,539	15,377	15,744

DEPARTMENT OF ENERGY

State Table
 Georgia FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Georgia			
Research - Basic Energy Sciences	6,435	0	0
Basic Energy Sciences	6,435	0	0
Research - Biological & Environmental Research	3,159	2,664	2,826
Biological and Environmental Research	3,159	2,664	2,826
Research - High Energy Physics	0	0	500
High Energy Physics	0	0	500
Science Programs	9,594	2,664	3,326
Weatherization Assistance Program	4,286	4,325	5,392
Weatherization	4,286	4,325	5,392
State Energy Program Grants	1,320	1,319	1,319
Weatherization and Intergovernmental Programs	5,606	5,644	6,711
Energy Efficiency	5,606	5,644	6,711
Energy Efficiency and Renewable Energy Programs	5,606	5,644	6,711
Transmission Reliability and Resilience	99	0	0
Electricity Programs	99	0	0
Purchase Power and Wheeling - SEPA	70,704	85,401	88,339
Program Direction - SEPA	6,597	11,246	7,284
Southeastern Power Administration Programs	77,301	96,647	95,623
Total Georgia	92,600	104,955	105,660

DEPARTMENT OF ENERGY
State Table
Guam FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Guam			
Weatherization Assistance Program	232	222	236
Weatherization	232	222	236
State Energy Program Grants	310	309	309
Weatherization and Intergovernmental Programs	542	531	545
Energy Efficiency	542	531	545
Energy Efficiency and Renewable Energy Programs	542	531	545
Total Guam	542	531	545

DEPARTMENT OF ENERGY

State Table

Hawaii FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Hawaii			
Research - High Energy Physics	1,261	980	1,415
High Energy Physics	1,261	980	1,415
Science Programs	1,261	980	1,415
Weatherization Assistance Program	282	281	325
Weatherization	282	281	325
State Energy Program Grants	425	425	425
Weatherization and Intergovernmental Programs	707	706	750
Energy Efficiency	707	706	750
Energy Efficiency and Renewable Energy Programs	707	706	750
Total Hawaii	1,968	1,686	2,165

DEPARTMENT OF ENERGY

State Table
Idaho FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Idaho			
Stockpile Sustainment	200	200	0
Stockpile Management	200	200	0
Tritium and Domestic Uranium Enrichment	2,114	1,905	3,467
Production Modernization	2,114	1,905	3,467
Engineering and Integrated Assessments	0	60	0
Stockpile Research, Technology, and Engineering	0	60	0
Safety and Environmental Operations	2,138	1,100	575
Operating	2,138	1,100	575
Infrastructure and Operations	2,138	1,100	575
Weapons Activities Programs	4,452	3,265	4,042
International Nuclear Security	3,668	3,485	3,529
Domestic Radiological Security	12,333	10,780	9,207
International Radiological Security	418	1,550	1,464
Nuclear Smuggling Detection and Deterrence	11	0	0
Global Material Security	16,430	15,815	14,200
Conversion (formerly HEU Reactor Conversion)	40,546	40,740	38,970
Nuclear Material Removal	4,250	8,710	9,550
Material Management and Minimization	44,796	49,450	48,520
Nonproliferation & Arms Control	3,682	2,136	2,757
National Technical Nuclear Forensics (NTNF) R&D	0	937	0
Proliferation Detection R&D	5,974	5,945	6,281
Nuclear Detonation Detection	100	0	0
Nonproliferation Fuels Development	5,400	8,340	0
Nonproliferation Stewardship Program	450	450	450
National Technical Nuclear Forensics R&D	0	0	1,054
Defense Nuclear Nonproliferation R&D	11,924	14,735	7,785
Counterterrorism and Counterproliferation	5,089	5,469	5,868
Nuclear Counterterrorism & Incident Response	5,089	5,469	5,868
Defense Nuclear Nonproliferation Programs	81,921	88,542	79,130
Naval Reactors Development	102,114	105,534	108,535
S8G Prototype Refueling	786	738	0
Naval Reactors Operations and Infrastructure	144,103	183,809	178,433
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	213,044	310,587	332,366
Construction - Naval Reactors	213,044	310,587	332,366
Naval Reactors Programs	460,047	600,668	619,334
Program Direction - National Nuclear Security Administration	422	6	6
Federal Salaries and Expenses Programs	422	6	6
Research - Advanced Scientific Computing Research	70	70	0
Advanced Scientific Computing Research	70	70	0
Research - Basic Energy Sciences	4,092	939	939
Basic Energy Sciences	4,092	939	939
Research - Biological & Environmental Research	915	0	0
Biological and Environmental Research	915	0	0
Research - Fusion Energy Sciences	2,500	1,646	3,550
Fusion Energy Sciences	2,500	1,646	3,550
Workforce Development for Teachers & Scientists	522	0	0
Science Programs	8,099	2,655	4,489
Vehicle Technologies	9,800	9,825	11,000

DEPARTMENT OF ENERGY

State Table
Idaho FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Bioenergy Technologies	16,371	16,000	11,250
Hydrogen and Fuel Cells Technologies	6,591	4,350	9,154
Sustainable Transportation	32,762	30,175	31,404
Geothermal Technologies	25	100	0
Solar Energy Technologies	0	1,151	1,589
Water Power Technologies	834	1,570	3,000
Wind Energy Technologies	1,166	1,534	1,520
Renewable Energy	2,025	4,355	6,109
Advanced Manufacturing	0	3,939	0
Weatherization Assistance Program	2,596	2,429	2,657
Weatherization	2,596	2,429	2,657
State Energy Program Grants	480	478	478
Weatherization and Intergovernmental Programs	3,076	2,907	3,135
Federal Energy Management Program	181	442	600
Energy Efficiency	3,257	7,288	3,735
Energy Efficiency and Renewable Energy Programs	38,044	41,818	41,248
Transmission Reliability and Resilience	3,155	2,908	4,700
Resilient Distribution Systems	1,618	600	800
Cyber R&D	0	0	1,000
Transformer Resilience and Advanced Components	390	170	280
Grid Operations Technology	0	0	2,000
Electricity Programs	5,163	3,678	8,780
Cybersecurity for Energy Delivery Systems	3,000	22,000	0
Infrastructure Security and Energy Restoration	7,000	6,000	0
Risk Management Technology and Tools	0	0	30,000
Information Sharing, Partnerships and Exercises	0	0	3,000
Cybersecurity, Energy Security, and Emergency Response Programs	10,000	28,000	33,000
Carbon Capture	150	110	191
Advanced Energy & Hydrogen Systems	2,091	1,603	1,429
CCUS & Power Systems	2,241	1,713	1,620
Cross Cutting Research	733	641	477
Advanced Coal Energy Systems & CCUS	733	641	477
Fossil Energy and Carbon Management Programs	2,974	2,354	2,097
Integrated University Program	4,978	4,991	5,991
Advanced SMR R&D	94,756	112,843	113,293
Light Water Reactor Sustainability	23,128	38,191	49,920
Advanced Reactor Technologies	15,882	30,040	41,780
Versatile Advanced Test Reactor	64,553	0	0
Reactors Concepts RD&D	198,319	181,074	204,993
Mining, Conversion, and Transportation	900	450	0
Materials Recovery and Waste Form Development (MRWFD)	25,598	21,346	29,949
HALEU for R&D and Demonstration Reactors	0	0	20,135
Accident Tolerant Fuels	75,244	78,368	86,205
Triso Fuel and Graphite Qualification	26,169	26,862	25,000
Fuel Cycle Laboratory R&D	9,780	9,700	22,823
Used Nuclear Fuel Disposition R&D	14,483	14,575	14,575
Integrated Waste Management System	3,163	3,000	4,000
Fuel Cycle Research and Development FCRD	155,337	154,301	202,687
Crosscutting Technology Development	15,508	11,265	19,220
Joint Modeling and Simulation Program	17,365	17,745	17,300

DEPARTMENT OF ENERGY

State Table
Idaho FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Nuclear Science User Facilities	25,432	26,088	39,588
Transformational Challenge Reactor	2,201	920	0
Nuclear Energy Enabling Technologies	60,506	56,018	76,108
National Reactor Innovation Center	17,782	27,563	47,513
Demonstration 1	595	154	200
Demonstration 2	594	154	200
Risk Reduction for Future Demonstration	49	38,448	50,000
Regulatory Development	6,104	7,910	6,820
Advanced Reactors Safeguards	346	1,210	1,210
Advanced Reactors Demonstration Program	25,470	75,439	105,943
21-E-200, VTR Project	0	2,000	90,000
Other Project Costs - Versatile Test Reactor	0	42,935	54,790
Versatile Test Reactor Project	0	44,935	144,790
INL Facilities Operations and Maintenance	279,362	279,106	299,100
16-E-200 Sample Preparation Laboratory	25,450	26,000	41,850
Research Reactor Infrastructure	8,961	11,480	14,980
Infrastructure	313,773	316,586	355,930
Idaho Sitewide Safeguards & Security	153,061	149,750	149,700
International Nuclear Energy Cooperation	0	0	3,500
Program Direction - Nuclear Energy	33,463	31,840	36,860
Nuclear Energy Programs	944,907	1,014,934	1,286,502
Interim Storage	0	4,024	0
Nuclear Waste Programs	0	4,024	0
Office of International Affairs - IA	350	0	0
Strategic Partnership Projects	1,000	1,000	1,000
Departmental Administration Programs	1,350	1,000	1,000
Environment, Health, Safety & Security	550	550	550
Environment, Health, Safety, and Security	550	550	550
Other Defense Activities Programs	550	550	550
Office of Technology Transitions	1,305	1,305	2,129
Idaho Cleanup and Waste Disposition	430,000	430,000	358,925
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	0	0	3,000
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	0	0	5,000
Construction - Idaho	0	0	8,000
Idaho Community and Regulatory Support	3,500	3,500	2,658
Idaho National Laboratory (INL)	433,500	433,500	369,583
Program Direction - Defense Environmental Cleanup	7,886	9,804	9,939
Defense Environmental Cleanup Programs	441,386	443,304	379,522
Small Sites - NDEC	12,800	11,000	11,000
Non-Defense Environmental Cleanup Programs	12,800	11,000	11,000
Total Idaho	2,013,420	2,247,103	2,472,829

DEPARTMENT OF ENERGY

State Table
 Illinois FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Illinois			
Tritium and Domestic Uranium Enrichment	30	18	40
Production Modernization	30	18	40
Assessment Science	1,500	3,750	1,964
Advanced Simulation and Computing	0	100	0
Academic Programs	0	2,848	2,000
Stockpile Research, Technology, and Engineering	1,500	6,698	3,964
Weapons Activities Programs	1,530	6,716	4,004
Domestic Radiological Security	640	194	166
International Radiological Security	1,019	1,962	1,853
Nuclear Smuggling Detection and Deterrence	456	204	204
Global Material Security	2,115	2,360	2,223
Conversion (formerly HEU Reactor Conversion)	28,994	18,460	19,050
Nuclear Material Removal	1,500	1,800	950
Material Disposition	0	20	200
Laboratory and Partnership Support	2,912	2,340	0
Material Management and Minimization	33,406	22,620	20,200
Nonproliferation & Arms Control	10,581	9,554	10,001
National Technical Nuclear Forensics (NTNF) R&D	0	875	0
Proliferation Detection R&D	3,111	3,840	4,057
Nuclear Detonation Detection	100	0	0
Nonproliferation Fuels Development	4,800	4,400	0
Nonproliferation Stewardship Program	0	375	375
National Technical Nuclear Forensics R&D	0	0	985
Defense Nuclear Nonproliferation R&D	8,011	8,615	5,417
Emergency Operations	225	59	241
Counterterrorism and Counterproliferation	2,891	2,942	3,341
Nuclear Counterterrorism & Incident Response	3,116	3,001	3,582
Defense Nuclear Nonproliferation Programs	57,229	47,025	41,423
Program Direction - National Nuclear Security Administration	518	495	505
Federal Salaries and Expenses Programs	518	495	505
Research - Advanced Scientific Computing Research	161,794	162,756	162,254
Advanced Scientific Computing Research	161,794	162,756	162,254
Research - Basic Energy Sciences	474,050	441,685	452,832
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	170,000	160,000	101,000
Construction - Basic Energy Sciences	170,000	160,000	101,000
Basic Energy Sciences	644,050	601,685	553,832
Research - Biological & Environmental Research	74,369	86,940	58,828
Biological and Environmental Research	74,369	86,940	58,828
Research - Fusion Energy Sciences	7,980	42,267	50,487
Fusion Energy Sciences	7,980	42,267	50,487
Research - High Energy Physics	340,525	346,398	324,546
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	60,000	79,000	90,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	168,058	167,484	170,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	0	2,000	13,000
Construction - High Energy Physics	228,058	248,484	273,000
High Energy Physics	568,583	594,882	597,546
Operations and Maintenance - Nuclear Physics	82,891	171,506	209,004
Nuclear Physics	82,891	171,506	209,004

DEPARTMENT OF ENERGY

State Table
 Illinois FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Workforce Development for Teachers & Scientists	2,803	0	0
PILT	1,650	3,150	2,410
Facilities and Infrastructure (SLI)	10,800	0	11,500
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	500	500	10,000
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	500	500	13,300
19-SC-72, Electrical Capacity and Distribution Capability, ANL	30,000	0	0
17-SC-71, Integrated Engineering Research Center, FNAL	22,000	10,250	10,250
Construction - Science Laboratories Infrastructure	53,000	11,250	33,550
Science Laboratories Infrastructure	65,450	14,400	47,460
Safeguards and Security - SC	17,946	21,148	33,592
Program Direction - SC	30,115	29,189	28,806
Science Programs	1,655,981	1,724,773	1,741,809
Vehicle Technologies	39,700	45,640	47,500
Bioenergy Technologies	10,218	6,000	7,250
Hydrogen and Fuel Cells Technologies	6,539	7,412	11,802
Sustainable Transportation	56,457	59,052	66,552
Geothermal Technologies	25	0	0
Solar Energy Technologies	874	652	900
Water Power Technologies	727	1,000	0
Wind Energy Technologies	1,646	2,318	2,159
Renewable Energy	3,272	3,970	3,059
Building Technologies	2,327	2,282	1,897
Advanced Manufacturing	2,206	6,206	2,000
Weatherization Assistance Program	17,528	16,511	18,386
Weatherization	17,528	16,511	18,386
State Energy Program Grants	2,149	2,151	2,151
Weatherization and Intergovernmental Programs	19,677	18,662	20,537
Energy Efficiency	24,210	27,150	24,434
Strategic Programs	1,650	800	1,500
Corporate Support	1,650	800	1,500
Energy Efficiency and Renewable Energy Programs	85,589	90,972	95,545
Transmission Reliability and Resilience	5,961	3,972	2,600
Resilient Distribution Systems	1,277	1,400	1,600
Transformer Resilience and Advanced Components	60	0	0
Grid Operations Technology	0	0	2,500
Transmission Permitting and Technical Assistance	125	250	1,000
Electricity Programs	7,422	5,622	7,700
Cybersecurity for Energy Delivery Systems	900	0	0
Infrastructure Security and Energy Restoration	5,000	2,500	0
Risk Management Technology and Tools	0	0	2,500
Response and Restoration	0	0	1,500
Information Sharing, Partnerships and Exercises	0	0	3,000
Cybersecurity, Energy Security, and Emergency Response Programs	5,900	2,500	7,000
Unconventional Fossil Energy Technologies from Petroleum-Oil Technologies	150	150	0
Fossil Energy and Carbon Management Programs	150	150	0
Advanced Reactor Technologies	7,666	7,105	8,000
Reactors Concepts RD&D	7,666	7,105	8,000
Materials Recovery and Waste Form Development (MRWFD)	1,278	1,060	1,495
Accident Tolerant Fuels	109	120	132
Triso Fuel and Graphite Qualification	550	0	550

DEPARTMENT OF ENERGY

State Table
 Illinois FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Fuel Cycle Laboratory R&D	3,221	2,440	5,710
Used Nuclear Fuel Disposition R&D	1,548	1,500	1,500
Integrated Waste Management System	48	200	700
Fuel Cycle Research and Development FCRD	6,754	5,320	10,087
Crosscutting Technology Development	2,700	750	1,500
Joint Modeling and Simulation Program	5,909	5,777	5,100
Nuclear Science User Facilities	2,527	227	227
Transformational Challenge Reactor	1,800	1,100	0
Nuclear Energy Enabling Technologies	12,936	7,854	6,827
National Reactor Innovation Center	275	500	1,200
Regulatory Development	3,384	3,945	4,000
Advanced Reactors Safeguards	958	700	700
Advanced Reactors Demonstration Program	4,617	5,145	5,900
International Nuclear Energy Cooperation	0	0	500
Program Direction - Nuclear Energy	290	185	0
Nuclear Energy Programs	32,263	25,609	31,314
Interim Storage	0	85	0
Nuclear Waste Programs	0	85	0
Office of International Affairs - IA	130	0	0
Strategic Partnership Projects	750	100	100
Departmental Administration Programs	880	100	100
Environment, Health, Safety & Security	995	995	995
Environment, Health, Safety, and Security	995	995	995
Other Defense Activities Programs	995	995	995
Office of Technology Transitions	110	110	152
Advanced Technology Vehicle Manufacturing Loan Program	76	0	0
Advanced Technology Vehicles Manufacturing Loan Programs	76	0	0
Total Illinois	1,848,643	1,905,152	1,930,547

DEPARTMENT OF ENERGY

State Table
 Indiana FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Indiana			
Research - Basic Energy Sciences	4,000	0	0
Basic Energy Sciences	4,000	0	0
Research - Biological & Environmental Research	2,071	882	0
Biological and Environmental Research	2,071	882	0
Research - High Energy Physics	890	1,470	2,090
High Energy Physics	890	1,470	2,090
Science Programs	6,961	2,352	2,090
Weatherization Assistance Program	8,786	8,354	9,454
Weatherization	8,786	8,354	9,454
State Energy Program Grants	1,303	1,308	1,308
Weatherization and Intergovernmental Programs	10,089	9,662	10,762
Energy Efficiency	10,089	9,662	10,762
Energy Efficiency and Renewable Energy Programs	10,089	9,662	10,762
Total Indiana	17,050	12,014	12,852

DEPARTMENT OF ENERGY

State Table
Iowa FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Iowa			
Research - Advanced Scientific Computing Research	10,000	10,000	15,000
Advanced Scientific Computing Research	10,000	10,000	15,000
Research - Basic Energy Sciences	17,578	16,782	16,782
Basic Energy Sciences	17,578	16,782	16,782
Research - Biological & Environmental Research	2,002	1,250	0
Biological and Environmental Research	2,002	1,250	0
Research - Fusion Energy Sciences	0	275	225
Fusion Energy Sciences	0	275	225
Research - High Energy Physics	0	3,999	3,155
High Energy Physics	0	3,999	3,155
Workforce Development for Teachers & Scientists	709	0	0
21-SC-73, Ames Infrastructure Modernization	0	150	2,000
Construction - Science Laboratories Infrastructure	0	150	2,000
Science Laboratories Infrastructure	0	150	2,000
Safeguards and Security - SC	1,231	1,231	2,474
Program Direction - SC	678	664	713
Science Programs	32,198	34,351	40,349
Vehicle Technologies	300	300	300
Hydrogen and Fuel Cells Technologies	830	9,100	1,093
Sustainable Transportation	1,130	9,400	1,393
Advanced Manufacturing	25,000	25,397	25,000
Weatherization Assistance Program	6,325	5,894	6,418
Weatherization	6,325	5,894	6,418
State Energy Program Grants	815	815	815
Weatherization and Intergovernmental Programs	7,140	6,709	7,233
Energy Efficiency	32,140	32,106	32,233
Energy Efficiency and Renewable Energy Programs	33,270	41,506	33,626
Transmission Reliability and Resilience	37	0	0
Transformer Resilience and Advanced Components	50	0	0
Electricity Programs	87	0	0
Advanced Energy & Hydrogen Systems	952	730	651
CCUS & Power Systems	952	730	651
Cross Cutting Research	921	806	600
Advanced Coal Energy Systems & CCUS	921	806	600
Fossil Energy and Carbon Management Programs	1,873	1,536	1,251
Crosscutting Technology Development	28	37	0
Nuclear Energy Enabling Technologies	28	37	0
Nuclear Energy Programs	28	37	0
Office of Technology Transitions	0	0	40
Total Iowa	67,456	77,430	75,266

DEPARTMENT OF ENERGY
State Table
 Kansas FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Kansas			
Research - Basic Energy Sciences	3,747	0	0
Basic Energy Sciences	3,747	0	0
Research - High Energy Physics	75	1,005	970
High Energy Physics	75	1,005	970
Science Programs	3,822	1,005	970
Weatherization Assistance Program	3,270	3,104	3,491
Weatherization	3,270	3,104	3,491
State Energy Program Grants	712	715	715
Weatherization and Intergovernmental Programs	3,982	3,819	4,206
Energy Efficiency	3,982	3,819	4,206
Energy Efficiency and Renewable Energy Programs	3,982	3,819	4,206
Total Kansas	7,804	4,824	5,176

DEPARTMENT OF ENERGY

State Table

Kentucky FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Kentucky			
Weatherization Assistance Program	5,926	5,583	6,204
Weatherization	5,926	5,583	6,204
State Energy Program Grants	905	908	908
Weatherization and Intergovernmental Programs	6,831	6,491	7,112
Energy Efficiency	6,831	6,491	7,112
Energy Efficiency and Renewable Energy Programs	6,831	6,491	7,112
Environment, Health, Safety & Security	200	200	200
Environment, Health, Safety, and Security	200	200	200
Other Defense Activities Programs	200	200	200
Program Direction - Defense Environmental Cleanup	14,339	14,357	14,611
Safeguards and Security - Defense Environmental Cleanup	15,789	16,206	16,206
Defense Environmental Cleanup Programs	30,128	30,563	30,817
Gaseous Diffusion Plants	56,456	57,580	57,363
Non-Defense Environmental Cleanup Programs	56,456	57,580	57,363
Paducah Gaseous Diffusion Plant (D&D Fund)	240,000	240,000	198,995
Pension and Community and Regulatory Support	2,094	2,099	2,739
Uranium Enrichment D&D Programs	242,094	242,099	201,734
Total Kentucky	335,709	336,933	297,226

DEPARTMENT OF ENERGY

State Table

Louisiana FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Louisiana			
Research - Basic Energy Sciences	380	0	0
Basic Energy Sciences	380	0	0
Research - High Energy Physics	0	300	300
High Energy Physics	0	300	300
Science Programs	380	300	300
Weatherization Assistance Program	1,914	1,894	2,283
Weatherization	1,914	1,894	2,283
State Energy Program Grants	1,238	1,216	1,216
Weatherization and Intergovernmental Programs	3,152	3,110	3,499
Energy Efficiency	3,152	3,110	3,499
Energy Efficiency and Renewable Energy Programs	3,152	3,110	3,499
Total Louisiana	3,532	3,410	3,799

DEPARTMENT OF ENERGY

State Table
Maine FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Maine			
Weatherization Assistance Program	4,003	3,750	4,119
Weatherization	4,003	3,750	4,119
State Energy Program Grants	496	495	495
Weatherization and Intergovernmental Programs	4,499	4,245	4,614
Energy Efficiency	4,499	4,245	4,614
Energy Efficiency and Renewable Energy Programs	4,499	4,245	4,614
Total Maine	4,499	4,245	4,614

DEPARTMENT OF ENERGY

State Table

Maryland FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Maryland			
Research - Advanced Scientific Computing Research	2,013	2,038	1,120
Advanced Scientific Computing Research	2,013	2,038	1,120
Research - Basic Energy Sciences	4,383	0	0
Basic Energy Sciences	4,383	0	0
Research - Biological & Environmental Research	2,442	2,304	0
Biological and Environmental Research	2,442	2,304	0
Research - Fusion Energy Sciences	0	685	0
Fusion Energy Sciences	0	685	0
Research - High Energy Physics	1,239	1,419	0
High Energy Physics	1,239	1,419	0
Operations and Maintenance - Nuclear Physics	10,957	0	0
Nuclear Physics	10,957	0	0
Science Programs	21,034	6,446	1,120
Weatherization Assistance Program	3,615	3,494	4,058
Weatherization	3,615	3,494	4,058
State Energy Program Grants	991	992	992
Weatherization and Intergovernmental Programs	4,606	4,486	5,050
Energy Efficiency	4,606	4,486	5,050
Energy Efficiency and Renewable Energy Programs	4,606	4,486	5,050
Total Maryland	25,640	10,932	6,170

DEPARTMENT OF ENERGY
State Table
Massachusetts FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Massachusetts			
Research - Advanced Scientific Computing Research	169	181	0
Advanced Scientific Computing Research	169	181	0
Research - Basic Energy Sciences	11,859	0	0
Basic Energy Sciences	11,859	0	0
Research - Biological & Environmental Research	5,415	3,000	3,700
Biological and Environmental Research	5,415	3,000	3,700
Research - Fusion Energy Sciences	9,627	3,158	820
Fusion Energy Sciences	9,627	3,158	820
Research - High Energy Physics	10,672	11,927	11,815
High Energy Physics	10,672	11,927	11,815
Science Programs	37,742	18,266	16,335
Weatherization Assistance Program	8,504	8,041	9,007
Weatherization	8,504	8,041	9,007
State Energy Program Grants	1,159	1,157	1,157
Weatherization and Intergovernmental Programs	9,663	9,198	10,164
Energy Efficiency	9,663	9,198	10,164
Energy Efficiency and Renewable Energy Programs	9,663	9,198	10,164
Resilient Distribution Systems	239	0	0
Electricity Programs	239	0	0
Total Massachusetts	47,644	27,464	26,499

DEPARTMENT OF ENERGY

State Table
 Michigan FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Michigan			
Research - Advanced Scientific Computing Research	295	277	0
Advanced Scientific Computing Research	295	277	0
Research - Basic Energy Sciences	1,200	0	0
Basic Energy Sciences	1,200	0	0
Research - Biological & Environmental Research	3,822	2,502	0
Biological and Environmental Research	3,822	2,502	0
Research - High Energy Physics	4,244	872	1,910
High Energy Physics	4,244	872	1,910
Operations and Maintenance - Nuclear Physics	29,500	0	0
14-SC-50, Facility for Rare Isotope Beams, MSU	40,000	5,300	0
Construction - Nuclear Physics	40,000	5,300	0
Nuclear Physics	69,500	5,300	0
Science Programs	79,061	8,951	1,910
Weatherization Assistance Program	20,255	19,094	21,294
Weatherization	20,255	19,094	21,294
State Energy Program Grants	1,763	1,766	1,766
Weatherization and Intergovernmental Programs	22,018	20,860	23,060
Energy Efficiency	22,018	20,860	23,060
Energy Efficiency and Renewable Energy Programs	22,018	20,860	23,060
Total Michigan	101,079	29,811	24,970

DEPARTMENT OF ENERGY

State Table

Minnesota FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Minnesota			
Research - Basic Energy Sciences	6,315	0	0
Basic Energy Sciences	6,315	0	0
Research - High Energy Physics	915	1,055	2,638
High Energy Physics	915	1,055	2,638
Science Programs	7,230	1,055	2,638
Weatherization Assistance Program	12,681	11,722	12,591
Weatherization	12,681	11,722	12,591
State Energy Program Grants	1,127	1,130	1,130
Weatherization and Intergovernmental Programs	13,808	12,852	13,721
Energy Efficiency	13,808	12,852	13,721
Energy Efficiency and Renewable Energy Programs	13,808	12,852	13,721
Total Minnesota	21,038	13,907	16,359

DEPARTMENT OF ENERGY

State Table

Mississippi FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Mississippi			
Research - Fusion Energy Sciences	0	200	0
Fusion Energy Sciences	0	200	0
Research - High Energy Physics	0	800	800
High Energy Physics	0	800	800
Science Programs	0	1,000	800
Weatherization Assistance Program	2,091	2,034	2,382
Weatherization	2,091	2,034	2,382
State Energy Program Grants	679	676	676
Weatherization and Intergovernmental Programs	2,770	2,710	3,058
Energy Efficiency	2,770	2,710	3,058
Energy Efficiency and Renewable Energy Programs	2,770	2,710	3,058
Total Mississippi	2,770	3,710	3,858

DEPARTMENT OF ENERGY

State Table
 Missouri FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Missouri			
B61 Life Extension Program	252,228	275,000	290,000
W88 Alteration Program	150,357	109,310	61,491
W80-4 Life Extension Program	124,455	166,147	176,066
W80-4 Alteration-SLCM	0	0	200
W87-1 Modification Program	3,000	40,000	75,000
W93 Program	0	2,000	3,000
Stockpile Major Modernization	530,040	592,457	605,757
Stockpile Sustainment	112,008	130,650	146,781
Weapons Dismantlement and Disposition	630	712	100
Production Operations	85,487	85,849	91,013
Stockpile Management	728,165	809,668	843,651
Plutonium Modernization	7,446	8,968	7,133
Primary Capability Modernization	7,446	8,968	7,133
Non-Nuclear Capability Modernization	3,894	32,000	66,898
Production Modernization	11,340	40,968	74,031
Engineering and Integrated Assessments	4,375	10,393	10,998
Advanced Simulation and Computing	2,500	0	3,500
Weapons Technology and Manufacturing Maturation	15,150	27,417	26,761
Stockpile Research, Technology, and Engineering	22,025	37,810	41,259
Operations of Facilities	79,099	106,850	110,000
Safety and Environmental Operations	0	1,600	9,014
Maintenance and Repair of Facilities	24,247	28,000	30,000
Infrastructure and Safety	31,199	34,898	44,993
Capabilities Based Investments	18,046	14,050	13,500
Recapitalization	49,245	48,948	58,493
Operating	152,591	185,398	207,507
Infrastructure and Operations	152,591	185,398	207,507
STA Operations and Equipment	25,893	22,490	37,597
Secure Transportation Asset	25,893	22,490	37,597
Defense Nuclear Security (DNS)	12,946	17,560	22,004
Defense Nuclear Security	12,946	17,560	22,004
Information Technology and Cyber Security	26,706	26,957	8,551
Weapons Activities Programs	979,666	1,140,851	1,234,600
Material Disposition	2,705	3,125	3,500
Material Management and Minimization	2,705	3,125	3,500
Nonproliferation & Arms Control	2,365	2,628	2,838
Proliferation Detection R&D	115	1,050	1,109
Nonproliferation Stewardship Program	500	0	0
Defense Nuclear Nonproliferation R&D	615	1,050	1,109
Counterterrorism and Counterproliferation	43,366	37,869	38,267
Nuclear Counterterrorism & Incident Response	43,366	37,869	38,267
Defense Nuclear Nonproliferation Programs	49,051	44,672	45,714
Program Direction - National Nuclear Security Administration	7,577	7,256	7,672
Federal Salaries and Expenses Programs	7,577	7,256	7,672
Research - Basic Energy Sciences	620	0	0
Basic Energy Sciences	620	0	0
Research - Biological & Environmental Research	7,220	5,178	0
Biological and Environmental Research	7,220	5,178	0

DEPARTMENT OF ENERGY

State Table

Missouri FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Research - High Energy Physics	0	0	100
High Energy Physics	0	0	100
Science Programs	7,840	5,178	100
Weatherization Assistance Program	7,789	7,388	8,325
Weatherization	7,789	7,388	8,325
State Energy Program Grants	1,073	1,079	1,079
Weatherization and Intergovernmental Programs	8,862	8,467	9,404
Energy Efficiency	8,862	8,467	9,404
Energy Efficiency and Renewable Energy Programs	8,862	8,467	9,404
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Legacy Management Activities - Defense	3,193	4,092	5,131
Legacy Management	3,193	4,092	5,131
Other Defense Activites Programs	3,203	4,102	5,141
Total Missouri	1,056,199	1,210,526	1,302,631

DEPARTMENT OF ENERGY

State Table

Montana FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Montana			
Research - Biological & Environmental Research	1,934	1,480	1,504
Biological and Environmental Research	1,934	1,480	1,504
Science Programs	1,934	1,480	1,504
Weatherization Assistance Program	3,228	2,981	3,182
Weatherization	3,228	2,981	3,182
State Energy Program Grants	439	439	439
Weatherization and Intergovernmental Programs	3,667	3,420	3,621
Energy Efficiency	3,667	3,420	3,621
Energy Efficiency and Renewable Energy Programs	3,667	3,420	3,621
Transmission Reliability and Resilience	52	0	0
Electricity Programs	52	0	0
Total Montana	5,653	4,900	5,125

DEPARTMENT OF ENERGY

State Table

Nebraska FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Nebraska			
Research - Biological & Environmental Research	899	876	0
Biological and Environmental Research	899	876	0
Research - High Energy Physics	0	97	0
High Energy Physics	0	97	0
Science Programs	899	973	0
Weatherization Assistance Program	3,226	3,020	3,309
Weatherization	3,226	3,020	3,309
State Energy Program Grants	578	579	579
Weatherization and Intergovernmental Programs	3,804	3,599	3,888
Energy Efficiency	3,804	3,599	3,888
Energy Efficiency and Renewable Energy Programs	3,804	3,599	3,888
Total Nebraska	4,703	4,572	3,888

DEPARTMENT OF ENERGY

State Table
 Nevada FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Nevada			
B61 Life Extension Program	500	0	0
Stockpile Major Modernization	500	0	0
Stockpile Sustainment	300	1,896	616
Weapons Dismantlement and Disposition	0	48	0
Production Operations	0	57	0
Stockpile Management	800	2,001	616
Plutonium Modernization	8,858	13,600	13,200
High Explosives & Energetics	2,242	900	2,220
Primary Capability Modernization	11,100	14,500	15,420
Tritium and Domestic Uranium Enrichment	75	153	0
Production Modernization	11,175	14,653	15,420
Assessment Science	88,225	111,646	102,793
Engineering and Integrated Assessments	18,218	7,600	7,554
Inertial Confinement Fusion	0	4,000	4,400
Weapons Technology and Manufacturing Maturation	0	950	1,000
Stockpile Research, Technology, and Engineering	106,443	124,196	115,747
Operations of Facilities	102,000	102,555	103,000
Safety and Environmental Operations	4,654	4,044	5,719
Maintenance and Repair of Facilities	50,050	58,000	61,000
Infrastructure and Safety	46,602	42,990	45,450
Capabilities Based Investments	7,960	11,820	11,000
Recapitalization	54,562	54,810	56,450
Operating	211,266	219,409	226,169
17-D-640, U1a Complex Enhancements Project, NNS	35,000	152,600	130,000
Programmatic	35,000	152,600	130,000
19-D-670, 138kV Power Transmission System Replacement, NNS	6,000	59,000	0
Mission Enabling	6,000	59,000	0
I&O - Construction	41,000	211,600	130,000
Infrastructure and Operations	252,266	431,009	356,169
Defense Nuclear Security (DNS)	80,527	85,620	90,111
Defense Nuclear Security	80,527	85,620	90,111
Information Technology and Cyber Security	9,122	7,646	29,865
Weapons Activities Programs	460,333	665,125	607,928
International Radiological Security	611	880	831
Global Material Security	611	880	831
Nuclear Material Removal	218	0	3,000
Material Management and Minimization	218	0	3,000
Nonproliferation & Arms Control	262	308	315
National Technical Nuclear Forensics (NTNF) R&D	0	120	0
Proliferation Detection R&D	27,702	14,985	15,832
Nuclear Detonation Detection	593	20,139	20,441
Nonproliferation Stewardship Program	11,000	8,000	13,850
National Technical Nuclear Forensics R&D	0	0	135
Defense Nuclear Nonproliferation R&D	39,295	43,124	50,258
Emergency Operations	21,424	24,329	0
Counterterrorism and Counterproliferation	39,671	38,751	39,149
Nuclear Counterterrorism & Incident Response	61,095	63,080	39,149
Defense Nuclear Nonproliferation Programs	101,481	107,512	93,553

DEPARTMENT OF ENERGY

State Table
 Nevada FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Program Direction - National Nuclear Security Administration	18,236	17,763	17,437
Federal Salaries and Expenses Programs	18,236	17,763	17,437
Research - Biological & Environmental Research	87	0	0
Biological and Environmental Research	87	0	0
Science Programs	87	0	0
Weatherization Assistance Program	1,350	1,358	1,670
Weatherization	1,350	1,358	1,670
State Energy Program Grants	538	538	538
Weatherization and Intergovernmental Programs	1,888	1,896	2,208
Energy Efficiency	1,888	1,896	2,208
Energy Efficiency and Renewable Energy Programs	1,888	1,896	2,208
National Reactor Innovation Center	250	0	0
Advanced Reactors Demonstration Program	250	0	0
Program Direction - Nuclear Energy	1,731	1,914	1,370
Nuclear Energy Programs	1,981	1,914	1,370
Environment, Health, Safety & Security	15	15	15
Environment, Health, Safety, and Security	15	15	15
Other Defense Activities Programs	15	15	15
Office of Technology Transitions	25	25	25
Nevada Test Site	60,737	60,737	60,737
NNSA Sites and Nevada Off-Sites	60,737	60,737	60,737
Program Direction - Defense Environmental Cleanup	3,428	2,621	2,696
Defense Environmental Cleanup Programs	64,165	63,358	63,433
Total Nevada	648,211	857,608	785,969

DEPARTMENT OF ENERGY
State Table
 New Hampshire FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
New Hampshire			
Research - High Energy Physics	93	0	0
High Energy Physics	93	0	0
Science Programs	93	0	0
Weatherization Assistance Program	2,009	1,901	2,120
Weatherization	2,009	1,901	2,120
State Energy Program Grants	473	473	473
Weatherization and Intergovernmental Programs	2,482	2,374	2,593
Energy Efficiency	2,482	2,374	2,593
Energy Efficiency and Renewable Energy Programs	2,482	2,374	2,593
Total New Hampshire	2,575	2,374	2,593

DEPARTMENT OF ENERGY

State Table
 New Jersey FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
New Jersey			
Proliferation Detection R&D	300	760	803
Defense Nuclear Nonproliferation R&D	300	760	803
Defense Nuclear Nonproliferation Programs	300	760	803
Research - Advanced Scientific Computing Research	335	400	0
Advanced Scientific Computing Research	335	400	0
Research - Basic Energy Sciences	5,195	0	0
Basic Energy Sciences	5,195	0	0
Research - Biological & Environmental Research	2,231	1,597	700
Biological and Environmental Research	2,231	1,597	700
Research - Fusion Energy Sciences	83,968	65,622	76,006
Fusion Energy Sciences	83,968	65,622	76,006
Research - High Energy Physics	2,659	1,342	2,150
High Energy Physics	2,659	1,342	2,150
Workforce Development for Teachers & Scientists	729	0	0
21-SC-71, Princeton Plasma Innovation Center, PPPL	0	150	7,750
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	0	150	2,000
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	13,000	13,000	6,400
Construction - Science Laboratories Infrastructure	13,000	13,300	16,150
Science Laboratories Infrastructure	13,000	13,300	16,150
Safeguards and Security - SC	3,358	3,358	5,586
Program Direction - SC	1,910	1,991	2,036
Science Programs	113,385	87,610	102,628
Weatherization Assistance Program	6,894	6,656	7,734
Weatherization	6,894	6,656	7,734
State Energy Program Grants	1,471	1,475	1,475
Weatherization and Intergovernmental Programs	8,365	8,131	9,209
Energy Efficiency	8,365	8,131	9,209
Energy Efficiency and Renewable Energy Programs	8,365	8,131	9,209
Office of Technology Transitions	0	0	45
Total New Jersey	122,050	96,501	112,685

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
New Mexico			
B61 Life Extension Program	410,675	368,119	276,975
W76-2 Modification Program	3,866	0	0
W88 Alteration Program	105,266	86,466	69,179
W80-4 Life Extension Program	489,557	590,853	584,290
W80-4 Alteration-SLCM	0	0	6,250
W87-1 Modification Program	56,700	234,430	252,500
W93 Program	0	44,337	57,240
Stockpile Major Modernization	1,066,064	1,324,205	1,246,434
Stockpile Sustainment	518,350	558,429	666,496
Weapons Dismantlement and Disposition	11,200	3,260	1,000
Production Operations	187,285	205,110	197,450
Stockpile Management	1,782,899	2,091,004	2,111,380
Los Alamos Plutonium Operations	286,975	599,592	648,513
21-D-512, Plutonium Pit Production Project, LANL	20,000	226,000	350,000
Los Alamos Plutonium Modernization	306,975	825,592	998,513
Plutonium Modernization	314,212	839,310	1,013,092
High Explosives & Energetics	411	22,800	31,434
Primary Capability Modernization	314,623	862,110	1,044,526
Secondary Capability Modernization	8,148	6,764	9,925
Tritium and Domestic Uranium Enrichment	165,678	156,082	142,968
Non-Nuclear Capability Modernization	7,138	41,500	56,618
Production Modernization	495,587	1,066,456	1,254,037
Assessment Science	333,498	345,693	317,425
Engineering and Integrated Assessments	207,112	204,034	198,746
Inertial Confinement Fusion	212,781	199,900	110,362
Advanced Simulation and Computing	404,136	387,688	366,098
Weapons Technology and Manufacturing Maturation	147,204	200,747	194,763
Academic Programs	84,492	98,064	92,183
Stockpile Research, Technology, and Engineering	1,389,223	1,436,126	1,279,577
Operations of Facilities	371,042	428,760	413,000
Safety and Environmental Operations	27,026	24,260	25,441
Maintenance and Repair of Facilities	101,964	169,000	174,000
Infrastructure and Safety	133,168	190,272	140,248
Capabilities Based Investments	23,174	35,170	32,500
Recapitalization	156,342	225,442	172,748
Operating	656,374	847,462	785,189
22-D-513, Power Sources Capability, SNL	0	0	13,000
15-D-302, TA-55 Reinvestment Project - Phase 3, LANL	0	30,000	27,000
07-D-220-04, Transuranic Liquid Waste Facility, LANL	0	36,687	0
06-D-141, Uranium Processing Facility, Y-12	0	16,000	0
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	168,444	167,427	138,123
Chemistry and Metallurgy Research Replacement (CMRR)	168,444	167,427	138,123
Programmatic	168,444	250,114	178,123
15-D-611, Emergency Operations Center, SNL	4,000	36,000	0
Mission Enabling	4,000	36,000	0
I&O - Construction	172,444	286,114	178,123
Infrastructure and Operations	828,818	1,133,576	963,312
STA Operations and Equipment	151,676	195,504	168,002

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Secure Transportation Asset	151,676	195,504	168,002
Defense Nuclear Security (DNS)	187,285	195,000	240,183
Defense Nuclear Security	187,285	195,000	240,183
Information Technology and Cyber Security	49,700	55,089	46,378
Weapons Activities Programs	4,885,188	6,172,755	6,062,869
International Nuclear Security	19,321	17,085	17,302
Domestic Radiological Security	59,516	108,379	92,563
International Radiological Security	21,338	27,706	26,167
Nuclear Smuggling Detection and Deterrence	97,214	97,938	97,938
Global Material Security	197,389	251,108	233,970
Conversion (formerly HEU Reactor Conversion)	1,460	1,200	2,080
Nuclear Material Removal	6,170	2,325	1,200
Material Disposition	66,260	72,715	93,870
Laboratory and Partnership Support	2,877	1,325	0
Material Management and Minimization	76,767	77,565	97,150
Nonproliferation & Arms Control	31,479	35,535	70,264
National Technical Nuclear Forensics (NTNF) R&D	0	12,695	0
Proliferation Detection R&D	118,407	84,253	89,013
Nuclear Detonation Detection	173,057	199,856	202,849
Nonproliferation Stewardship Program	900	15,501	17,461
National Technical Nuclear Forensics R&D	0	0	14,282
Defense Nuclear Nonproliferation R&D	292,364	299,610	323,605
99-D-143, Mixed Oxide Fuel Fabrication Facility, SRS	400	0	0
18-D-150, Surplus Plutonium Disposition Project, SRS	0	600	305
Nonproliferation Construction	400	600	305
Counterterrorism and Counterproliferation	108,360	127,266	133,462
Nuclear Counterterrorism & Incident Response	108,360	127,266	133,462
Defense Nuclear Nonproliferation Programs	706,759	804,379	858,756
Program Direction - National Nuclear Security Administration	42,453	40,981	40,121
Federal Salaries and Expenses Programs	42,453	40,981	40,121
Research - Advanced Scientific Computing Research	17,850	22,605	16,331
Advanced Scientific Computing Research	17,850	22,605	16,331
Research - Basic Energy Sciences	54,547	44,910	45,860
Basic Energy Sciences	54,547	44,910	45,860
Research - Biological & Environmental Research	49,460	48,158	48,782
Biological and Environmental Research	49,460	48,158	48,782
Research - Fusion Energy Sciences	5,150	4,234	3,755
Fusion Energy Sciences	5,150	4,234	3,755
Research - High Energy Physics	2,040	3,417	2,150
High Energy Physics	2,040	3,417	2,150
Operations and Maintenance - Nuclear Physics	12,972	8,259	10,178
Nuclear Physics	12,972	8,259	10,178
Research - Accelerator R&D and Production	0	0	50
Accelerator R&D and Production	0	0	50
Workforce Development for Teachers & Scientists	904	0	0
Safeguards and Security - SC	0	248	0
Science Programs	142,923	131,831	127,106
Vehicle Technologies	13,600	10,556	9,000
Bioenergy Technologies	14,535	10,500	11,500
Hydrogen and Fuel Cells Technologies	16,089	15,926	22,361

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Sustainable Transportation	44,224	36,982	42,861
Geothermal Technologies	3,006	900	0
Solar Energy Technologies	6,179	5,347	7,382
Water Power Technologies	7,779	8,796	8,269
Wind Energy Technologies	9,122	10,462	11,863
Renewable Energy	26,086	25,505	27,514
Building Technologies	1,100	618	168
Advanced Manufacturing	0	2,075	0
Weatherization Assistance Program	2,522	2,380	2,644
Weatherization	2,522	2,380	2,644
State Energy Program Grants	538	538	538
Weatherization and Intergovernmental Programs	3,060	2,918	3,182
Energy Efficiency	4,160	5,611	3,350
Strategic Programs	300	250	0
Corporate Support	300	250	0
Energy Efficiency and Renewable Energy Programs	74,770	68,348	73,725
Transmission Reliability and Resilience	6,973	5,193	3,500
Resilient Distribution Systems	6,154	2,407	2,780
Energy Storage Research	26,165	29,610	27,600
Energy Storage	26,165	29,610	27,600
Transformer Resilience and Advanced Components	200	300	1,000
Grid Operations Technology	0	0	5,500
Transmission Permitting and Technical Assistance	529	0	1,000
Electricity Programs	40,022	37,510	41,380
Cybersecurity for Energy Delivery Systems	1,800	1,000	0
Infrastructure Security and Energy Restoration	13,650	0	0
Risk Management Technology and Tools	0	0	2,500
Information Sharing, Partnerships and Exercises	0	0	5,000
Cybersecurity, Energy Security, and Emergency Response Programs	15,450	1,000	7,500
Carbon Capture	1,725	1,264	2,197
Carbon Storage	4,547	3,592	5,320
Advanced Energy & Hydrogen Systems	167	128	114
CCUS & Power Systems	6,439	4,984	7,631
Cross Cutting Research	1,728	1,512	1,126
Advanced Coal Energy Systems & CCUS	1,728	1,512	1,126
Unconventional Fossil Energy Technologies from Petroleum-Oil Technologies	3,079	3,079	0
Natural Gas Technologies Research	1,396	0	0
Fossil Energy and Carbon Management Programs	12,642	9,575	8,757
STEP R&D	4,764	4,311	0
Advanced SMR R&D	431	0	0
Light Water Reactor Sustainability	2,213	1,625	2,629
Advanced Reactor Technologies	6,018	3,251	5,000
Reactors Concepts RD&D	8,662	4,876	7,629
HALEU for R&D and Demonstration Reactors	0	0	2,000
Accident Tolerant Fuels	3,969	4,366	4,803
Fuel Cycle Laboratory R&D	2,867	2,800	6,552
Used Nuclear Fuel Disposition R&D	22,963	23,000	23,000
Integrated Waste Management System	5,139	4,000	11,200
Fuel Cycle Research and Development FCRD	34,938	34,166	47,555
Crosscutting Technology Development	1,707	1,494	2,500

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Joint Modeling and Simulation Program	2,378	3,163	2,900
Nuclear Science User Facilities	22	20	20
Nuclear Energy Enabling Technologies	4,107	4,677	5,420
National Reactor Innovation Center	473	0	0
Regulatory Development	100	300	300
Advanced Reactors Safeguards	2,041	1,525	1,525
Advanced Reactors Demonstration Program	2,614	1,825	1,825
Program Direction - Nuclear Energy	15	0	0
Nuclear Energy Programs	55,100	49,855	62,429
Interim Storage	0	2,975	0
Nuclear Waste Programs	0	2,975	0
Strategic Partnership Projects	7,078	8,918	8,918
Departmental Administration Programs	7,078	8,918	8,918
Environment, Health, Safety & Security	2,305	2,305	2,305
Environment, Health, Safety, and Security	2,305	2,305	2,305
Enterprise Assessments	150	150	150
Office of Enterprise Assessments	150	150	150
Other Defense Activities Programs	2,455	2,455	2,455
Office of Technology Transitions	230	230	242
Sandia National Laboratory (SNL)	2,652	4,860	4,576
Los Alamos National Laboratory (LANL)	220,000	226,000	275,119
Los Alamos Excess Facilities D&D	0	0	58,381
NNSA Sites and Nevada Off-Sites	222,652	230,860	338,076
Waste Isolation Pilot Plant (WIPP)	294,353	313,260	350,424
21-D-401 Hoisting Capability Project	0	10,000	0
15-D-411 Safety Significant Confinement Ventilation System, WIPP	58,054	35,000	55,000
15-D-412 Exhaust Shaft, WIPP	44,500	55,000	25,000
Construction - Waste Isolation Pilot Plant	102,554	100,000	80,000
Total Waste Isolation Pilot Plant	396,907	413,260	430,424
Program Direction - Defense Environmental Cleanup	14,126	20,104	20,925
Safeguards and Security - Defense Environmental Cleanup	6,692	6,806	6,806
Defense Environmental Cleanup Programs	640,377	671,030	796,231
Total New Mexico	6,625,447	8,001,842	8,090,489

DEPARTMENT OF ENERGY

State Table
New York FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
New York			
Inertial Confinement Fusion	0	0	75,000
Stockpile Research, Technology, and Engineering	0	0	75,000
Safety and Environmental Operations	427	464	477
Operating	427	464	477
Infrastructure and Operations	427	464	477
Weapons Activities Programs	427	464	75,477
International Nuclear Security	170	0	0
Domestic Radiological Security	0	401	342
International Radiological Security	100	100	94
Nuclear Smuggling Detection and Deterrence	1,191	1,125	1,125
Global Material Security	1,461	1,626	1,561
Conversion (formerly HEU Reactor Conversion)	494	350	250
Material Management and Minimization	494	350	250
Nonproliferation & Arms Control	2,747	3,266	3,556
National Technical Nuclear Forensics (NTNF) R&D	0	564	0
Proliferation Detection R&D	4,615	5,771	6,097
Nuclear Detonation Detection	250	0	0
National Technical Nuclear Forensics R&D	0	0	635
Defense Nuclear Nonproliferation R&D	4,865	5,771	6,732
Counterterrorism and Counterproliferation	2,692	2,624	3,022
Nuclear Counterterrorism & Incident Response	2,692	2,624	3,022
Defense Nuclear Nonproliferation Programs	12,259	14,201	15,121
Naval Reactors Development	181,043	210,505	249,393
Columbia-Class Reactor Systems Development	51,619	49,672	43,311
S8G Prototype Refueling	165,969	131,374	126,000
Naval Reactors Operations and Infrastructure	282,538	254,125	288,717
22-D-532 Security Upgrades KL	0	0	5,100
22-D-531 KL Chemistry and Radiological Health Building	0	0	41,620
21-D-530 KL Steam and Condensate Upgrades	0	4,000	0
20-D-931, KL Fuel Development Laboratory	23,700	0	0
19-D-930 KS Overhead Piping	20,900	0	0
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	7,262	5,051	4,099
Construction - Naval Reactors	51,862	9,051	50,819
Naval Reactors Programs	733,031	654,727	758,240
Program Direction - National Nuclear Security Administration	6	6	6
Federal Salaries and Expenses Programs	6	6	6
Research - Advanced Scientific Computing Research	1,833	2,918	1,945
Advanced Scientific Computing Research	1,833	2,918	1,945
Research - Basic Energy Sciences	197,443	167,542	181,501
Basic Energy Sciences	197,443	167,542	181,501
Research - Biological & Environmental Research	25,749	18,053	16,188
Biological and Environmental Research	25,749	18,053	16,188
Research - Fusion Energy Sciences	2,050	5,594	2,409
Fusion Energy Sciences	2,050	5,594	2,409
Research - High Energy Physics	85,235	81,588	63,929
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	2,942	3,516	6,000
Construction - High Energy Physics	2,942	3,516	6,000
High Energy Physics	88,177	85,104	69,929

DEPARTMENT OF ENERGY

State Table

New York FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Operations and Maintenance - Nuclear Physics	225,544	220,175	205,853
20-SC-52, Electron Ion Collider, BNL	1,000	5,000	20,000
Construction - Nuclear Physics	1,000	5,000	20,000
Nuclear Physics	226,544	225,175	225,853
Research - Accelerator R&D and Production	0	0	5,747
Accelerator R&D and Production	0	0	5,747
Workforce Development for Teachers & Scientists	2,852	0	0
20-SC-71, Critical Utilities Rehabilitation Project, BNL	20,000	20,000	26,000
19-SC-71, Science User Support Center, BNL	20,000	20,000	38,000
Construction - Science Laboratories Infrastructure	40,000	40,000	64,000
Science Laboratories Infrastructure	40,000	40,000	64,000
Safeguards and Security - SC	14,013	14,233	20,202
Program Direction - SC	4,575	4,444	4,932
Science Programs	603,236	563,063	592,706
Vehicle Technologies	2,500	2,900	4,000
Bioenergy Technologies	0	0	250
Hydrogen and Fuel Cells Technologies	1,206	1,000	2,369
Sustainable Transportation	3,706	3,900	6,619
Geothermal Technologies	0	50	0
Renewable Energy	0	50	0
Building Technologies	950	700	213
Weatherization Assistance Program	26,438	25,229	28,770
Weatherization	26,438	25,229	28,770
State Energy Program Grants	2,825	2,830	2,830
Weatherization and Intergovernmental Programs	29,263	28,059	31,600
Energy Efficiency	30,213	28,759	31,813
Energy Efficiency and Renewable Energy Programs	33,919	32,709	38,432
Transmission Reliability and Resilience	370	900	900
Electricity Programs	370	900	900
Advanced Reactor Technologies	150	0	0
Reactors Concepts RD&D	150	0	0
Accident Tolerant Fuels	596	656	722
Fuel Cycle Laboratory R&D	472	300	702
Fuel Cycle Research and Development FCRD	1,068	956	1,424
Crosscutting Technology Development	1,006	17	0
Nuclear Science User Facilities	0	55	55
Nuclear Energy Enabling Technologies	1,006	72	55
Advanced Reactors Safeguards	370	345	345
Advanced Reactors Demonstration Program	370	345	345
Nuclear Energy Programs	2,594	1,373	1,824
Strategic Partnership Projects	0	275	275
Departmental Administration Programs	0	275	275
Environment, Health, Safety & Security	250	250	250
Environment, Health, Safety, and Security	250	250	250
Other Defense Activities Programs	250	250	250
Office of Technology Transitions	80	80	49
Separations Processing Research Unit	15,300	15,000	15,000
NNSA Sites and Nevada Off-Sites	15,300	15,000	15,000
Safeguards and Security - Defense Environmental Cleanup	4,196	4,298	4,298
Defense Environmental Cleanup Programs	19,496	19,298	19,298

DEPARTMENT OF ENERGY

State Table

New York FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
West Valley Demonstration Project - NDEC	75,215	88,113	88,120
Community and Regulatory Support	200	0	0
Non-Defense Environmental Cleanup Programs	75,415	88,113	88,120
Total New York	1,481,083	1,375,459	1,590,698

DEPARTMENT OF ENERGY
State Table
North Carolina FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
North Carolina			
Research - Basic Energy Sciences	2,475	0	0
Basic Energy Sciences	2,475	0	0
Research - Biological & Environmental Research	937	675	0
Biological and Environmental Research	937	675	0
Research - High Energy Physics	1,827	1,835	800
High Energy Physics	1,827	1,835	800
Science Programs	5,239	2,510	800
Weatherization Assistance Program	5,733	5,642	6,766
Weatherization	5,733	5,642	6,766
State Energy Program Grants	1,314	1,318	1,318
Weatherization and Intergovernmental Programs	7,047	6,960	8,084
Energy Efficiency	7,047	6,960	8,084
Energy Efficiency and Renewable Energy Programs	7,047	6,960	8,084
Total North Carolina	12,286	9,470	8,884

DEPARTMENT OF ENERGY
State Table
North Dakota FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
North Dakota			
Weatherization Assistance Program	3,145	2,891	3,057
Weatherization	3,145	2,891	3,057
State Energy Program Grants	441	442	442
Weatherization and Intergovernmental Programs	3,586	3,333	3,499
Energy Efficiency	3,586	3,333	3,499
Energy Efficiency and Renewable Energy Programs	3,586	3,333	3,499
Total North Dakota	3,586	3,333	3,499

DEPARTMENT OF ENERGY
State Table
Northern Mariana Islands FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Northern Mariana Islands			
Weatherization Assistance Program	224	212	222
Weatherization	224	212	222
State Energy Program Grants	298	297	297
Weatherization and Intergovernmental Programs	522	509	519
Energy Efficiency	522	509	519
Energy Efficiency and Renewable Energy Programs	522	509	519
Total Northern Mariana Islands	522	509	519

DEPARTMENT OF ENERGY

State Table
Ohio FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Ohio			
Secondary Capability Modernization	0	15,000	20,000
Tritium and Domestic Uranium Enrichment	0	69,125	25,567
Production Modernization	0	84,125	45,567
Weapons Activities Programs	0	84,125	45,567
Material Disposition	100	0	0
Material Management and Minimization	100	0	0
Defense Nuclear Nonproliferation Programs	100	0	0
Program Direction - National Nuclear Security Administration	2,300	1,859	1,218
Federal Salaries and Expenses Programs	2,300	1,859	1,218
Research - Basic Energy Sciences	4,940	0	0
Basic Energy Sciences	4,940	0	0
Research - Biological & Environmental Research	1,681	873	0
Biological and Environmental Research	1,681	873	0
Research - High Energy Physics	60	2,580	2,746
High Energy Physics	60	2,580	2,746
Science Programs	6,681	3,453	2,746
Weatherization Assistance Program	17,806	16,856	18,941
Weatherization	17,806	16,856	18,941
State Energy Program Grants	2,006	2,006	2,006
Weatherization and Intergovernmental Programs	19,812	18,862	20,947
Energy Efficiency	19,812	18,862	20,947
Energy Efficiency and Renewable Energy Programs	19,812	18,862	20,947
Environment, Health, Safety & Security	264	264	264
Environment, Health, Safety, and Security	264	264	264
Legacy Management Activities - Defense	34,288	29,640	26,846
Legacy Management	34,288	29,640	26,846
Other Defense Activities Programs	34,552	29,904	27,110
Closure Sites Administration	3,087	3,187	3,405
Program Direction - Defense Environmental Cleanup	32,282	34,043	34,686
Safeguards and Security - Defense Environmental Cleanup	16,490	16,690	16,690
Defense Environmental Cleanup Programs	51,859	53,920	54,781
Gaseous Diffusion Plants	56,629	57,974	58,840
Small Sites - NDEC	10,000	10,000	11,997
Non-Defense Environmental Cleanup Programs	66,629	67,974	70,837
Portsmouth Gaseous Diffusion Plant (D&D Fund)	367,193	367,193	397,311
20-U-401 On-site Waste Disposal Facility	10,000	16,500	65,235
15-U-408 On-Site Waste Disposal Facility, Portsmouth	41,102	46,639	5,000
Construction - Uranium D&D Fund	51,102	63,139	70,235
Pension and Community and Regulatory Support	2,013	3,868	3,560
Uranium Enrichment D&D Programs	420,308	434,200	471,106
Total Ohio	602,241	694,297	694,312

DEPARTMENT OF ENERGY

State Table
 Oklahoma FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Oklahoma			
Research - Biological & Environmental Research	1,585	0	0
Biological and Environmental Research	1,585	0	0
Research - High Energy Physics	481	800	725
High Energy Physics	481	800	725
Science Programs	2,066	800	725
Weatherization Assistance Program	3,387	3,272	3,794
Weatherization	3,387	3,272	3,794
State Energy Program Grants	825	826	826
Weatherization and Intergovernmental Programs	4,212	4,098	4,620
Energy Efficiency	4,212	4,098	4,620
Energy Efficiency and Renewable Energy Programs	4,212	4,098	4,620
Resilient Distribution Systems	3,000	0	0
Electricity Programs	3,000	0	0
Operation And Maintenance - SWPA	13,639	13,292	0
Construction - SWPA	15,067	13,267	0
Purchase Power And Wheeling - SWPA	68,000	95,000	0
Program Direction - SWPA	35,157	35,635	36,833
Subtotal, SWPA	131,863	157,194	36,833
Southwestern Power Administration Programs	131,863	157,194	36,833
Total Oklahoma	141,141	162,092	42,178

DEPARTMENT OF ENERGY
State Table
Oregon FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Oregon			
Research - Advanced Scientific Computing Research	0	220	220
Advanced Scientific Computing Research	0	220	220
Research - Biological & Environmental Research	7	0	0
Biological and Environmental Research	7	0	0
Research - High Energy Physics	381	1,170	1,150
High Energy Physics	381	1,170	1,150
Science Programs	388	1,390	1,370
Weatherization Assistance Program	3,761	3,532	3,895
Weatherization	3,761	3,532	3,895
State Energy Program Grants	738	732	732
Weatherization and Intergovernmental Programs	4,499	4,264	4,627
Energy Efficiency	4,499	4,264	4,627
Energy Efficiency and Renewable Energy Programs	4,499	4,264	4,627
Total Oregon	4,887	5,654	5,997

DEPARTMENT OF ENERGY

State Table

Pennsylvania FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Pennsylvania			
B61 Life Extension Program	5,130	5,700	5,000
W76-2 Modification Program	2,528	0	0
W88 Alteration Program	2,218	3,526	6,921
W80-4 Life Extension Program	8,196	10,000	11,000
W80-4 Alteration-SLCM	0	0	1,000
W87-1 Modification Program	2,178	5,807	2,800
W93 Program	0	0	3,600
Stockpile Major Modernization	20,250	25,033	30,321
Stockpile Sustainment	9,178	11,755	0
Production Operations	2,065	5,325	0
Stockpile Management	31,493	42,113	30,321
Los Alamos Plutonium Operations	0	2,000	2,000
Los Alamos Plutonium Modernization	0	2,000	2,000
Plutonium Modernization	2,322	4,000	4,000
High Explosives & Energetics	0	0	1,600
Primary Capability Modernization	2,322	4,000	5,600
Secondary Capability Modernization	471	1,000	1,300
Tritium and Domestic Uranium Enrichment	2,725	1,455	4,684
Non-Nuclear Capability Modernization	0	675	0
Production Modernization	5,518	7,130	11,584
Engineering and Integrated Assessments	1,269	2,213	3,656
Weapons Technology and Manufacturing Maturation	2,024	1,157	2,603
Stockpile Research, Technology, and Engineering	3,293	3,370	6,259
Capabilities Based Investments	300	0	0
Recapitalization	300	0	0
Operating	300	0	0
Infrastructure and Operations	300	0	0
Weapons Activities Programs	40,604	52,613	48,164
International Nuclear Security	0	763	773
Global Material Security	0	763	773
Material Disposition	750	650	750
Material Management and Minimization	750	650	750
Nonproliferation & Arms Control	50	56	60
Defense Nuclear Nonproliferation Programs	800	1,469	1,583
Naval Reactors Development	231,140	250,006	280,776
Columbia-Class Reactor Systems Development	23,881	15,028	11,689
S8G Prototype Refueling	3,245	2,888	0
Naval Reactors Operations and Infrastructure	117,287	82,713	113,367
Program Direction - Naval Reactors	20,240	20,680	22,232
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	17,694	14,362	12,240
Construction - Naval Reactors	17,694	14,362	12,240
Naval Reactors Programs	413,487	385,677	440,304
Program Direction - National Nuclear Security Administration	113	113	113
Federal Salaries and Expenses Programs	113	113	113
Research - Basic Energy Sciences	5,043	0	0
Basic Energy Sciences	5,043	0	0
Research - Biological & Environmental Research	2,367	0	2,900
Biological and Environmental Research	2,367	0	2,900

DEPARTMENT OF ENERGY

State Table

Pennsylvania FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Research - Fusion Energy Sciences	0	362	373
Fusion Energy Sciences	0	362	373
Research - High Energy Physics	4,825	2,030	5,095
High Energy Physics	4,825	2,030	5,095
Operations and Maintenance - Nuclear Physics	443	0	0
Nuclear Physics	443	0	0
Science Programs	12,678	2,392	8,368
Vehicle Technologies	185,100	170,560	347,784
Bioenergy Technologies	505	230	400
Hydrogen and Fuel Cells Technologies	24	4,000	187
Sustainable Transportation	185,629	174,790	348,371
Geothermal Technologies	30,000	30,553	20,000
Renewable Energy	30,000	30,553	20,000
Building Technologies	53,500	14,295	4,790
Weatherization Assistance Program	19,144	18,126	20,376
Weatherization	19,144	18,126	20,376
State Energy Program Grants	2,078	2,081	2,081
Weatherization and Intergovernmental Programs	21,222	20,207	22,457
Energy Efficiency	74,722	34,502	27,247
Program Direction - Energy Efficiency and Renewable Energy	10,928	10,928	16,558
Strategic Programs	0	1,500	0
Corporate Support	10,928	12,428	16,558
Energy Efficiency and Renewable Energy Programs	301,279	252,273	412,176
Transformer Resilience and Advanced Components	106	0	0
Program Direction - Electricity	3,249	3,422	3,560
Electricity Programs	3,355	3,422	3,560
Cybersecurity for Energy Delivery Systems	50,900	60,000	0
Infrastructure Security and Energy Restoration	5,250	5,500	0
Risk Management Technology and Tools	0	0	60,000
Response and Restoration	0	0	2,500
Information Sharing, Partnerships and Exercises	0	0	4,000
Program Direction - CESER	2,802	2,000	2,000
Cybersecurity, Energy Security, and Emergency Response Programs	58,952	67,500	68,500
STEP Supercritical CO2	16,000	14,500	0
Transformational Coal Pilots	20,000	10,000	0
NETL Coal Research and Development - Fossil Energy	61,000	0	0
Advanced Energy & Hydrogen Systems	27,383	20,994	18,712
CCUS & Power Systems	124,383	45,494	18,712
Cross Cutting Research	21,407	18,731	13,953
Advanced Coal Energy Systems & CCUS	21,407	18,731	13,953
Program Direction - Fossil Energy	27,780	27,780	29,400
Unconventional Fossil Energy Technologies from Petroleum-Oil Technologies	38,489	38,489	0
Natural Gas Technologies Research	22,106	25,000	39,000
NETL Research and Operations - Fossil Energy	50,000	83,000	83,000
NETL Infrastructure - Fossil Energy	50,000	55,000	78,000
Fossil Energy and Carbon Management Programs	334,165	293,494	262,065
Light Water Reactor Sustainability	0	117	83
Reactors Concepts RD&D	0	117	83
Crosscutting Technology Development	82	209	0
Nuclear Energy Enabling Technologies	82	209	0

DEPARTMENT OF ENERGY

State Table

Pennsylvania FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Nuclear Energy Programs	82	326	83
Office of International Affairs - IA	250	0	0
Strategic Partnership Projects	150	150	150
Departmental Administration Programs	400	150	150
Office of Technology Transitions	0	0	145
Total Pennsylvania	1,165,915	1,059,429	1,245,211

DEPARTMENT OF ENERGY
State Table
 Puerto Rico FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Puerto Rico			
Weatherization Assistance Program	1,018	1,142	1,632
Weatherization	1,018	1,142	1,632
State Energy Program Grants	664	654	654
Weatherization and Intergovernmental Programs	1,682	1,796	2,286
Energy Efficiency	1,682	1,796	2,286
Energy Efficiency and Renewable Energy Programs	1,682	1,796	2,286
Total Puerto Rico	1,682	1,796	2,286

DEPARTMENT OF ENERGY

State Table

Rhode Island FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Rhode Island			
Research - Advanced Scientific Computing Research	300	300	0
Advanced Scientific Computing Research	300	300	0
Research - Basic Energy Sciences	904	0	0
Basic Energy Sciences	904	0	0
Research - Biological & Environmental Research	10	0	0
Biological and Environmental Research	10	0	0
Research - High Energy Physics	1,638	1,658	500
High Energy Physics	1,638	1,658	500
Science Programs	2,852	1,958	500
Weatherization Assistance Program	1,524	1,452	1,632
Weatherization	1,524	1,452	1,632
State Energy Program Grants	434	435	435
Weatherization and Intergovernmental Programs	1,958	1,887	2,067
Energy Efficiency	1,958	1,887	2,067
Energy Efficiency and Renewable Energy Programs	1,958	1,887	2,067
Total Rhode Island	4,810	3,845	2,567

DEPARTMENT OF ENERGY

State Table

South Carolina FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
South Carolina			
B61 Life Extension Program	3,000	7,000	17,200
W80-4 Life Extension Program	2,728	2,700	3,416
W80-4 Alteration-SLCM	0	0	50
W87-1 Modification Program	500	2,000	3,000
W93 Program	0	500	500
Stockpile Major Modernization	6,228	12,200	24,166
Stockpile Sustainment	46,988	43,832	46,503
Weapons Dismantlement and Disposition	650	808	500
Production Operations	28,193	24,736	24,789
Stockpile Management	82,059	81,576	95,958
Savannah River Plutonium Operations	410,458	198,875	126,080
21-D-511, Savannah River Plutonium Processing Facility, SRS	0	241,896	475,000
Savannah River Plutonium Modernization	410,458	440,771	601,080
Plutonium Modernization	410,458	440,771	601,080
Primary Capability Modernization	410,458	440,771	601,080
Tritium and Domestic Uranium Enrichment	58,984	90,104	130,320
Production Modernization	469,442	530,875	731,400
Assessment Science	1,800	0	1,000
Engineering and Integrated Assessments	3,500	2,500	2,810
Weapons Technology and Manufacturing Maturation	6,286	6,883	7,804
Stockpile Research, Technology, and Engineering	11,586	9,383	11,614
Operations of Facilities	98,000	92,380	94,000
Safety and Environmental Operations	11,254	10,973	13,139
Maintenance and Repair of Facilities	31,000	40,000	43,000
Infrastructure and Safety	17,277	16,634	27,373
Capabilities Based Investments	320	4,200	2,900
Recapitalization	17,597	20,834	30,273
Operating	157,851	164,187	180,412
18-D-650, Tritium Finishing Facility, SRS	27,000	9,000	27,000
Programmatic	27,000	9,000	27,000
I&O - Construction	27,000	9,000	27,000
Infrastructure and Operations	184,851	173,187	207,412
Defense Nuclear Security (DNS)	7,688	8,520	9,064
Defense Nuclear Security	7,688	8,520	9,064
Information Technology and Cyber Security	6,275	7,399	7,453
Weapons Activities Programs	761,901	810,940	1,062,901
International Nuclear Security	108	25	25
Nuclear Smuggling Detection and Deterrence	0	11	11
Global Material Security	108	36	36
Conversion (formerly HEU Reactor Conversion)	3,600	7,059	4,600
Nuclear Material Removal	9,890	15,573	14,350
Material Disposition	69,794	45,422	58,374
Laboratory and Partnership Support	1,075	1,295	0
Material Management and Minimization	84,359	69,349	77,324
Nonproliferation & Arms Control	5,931	7,797	8,211
National Technical Nuclear Forensics (NTNF) R&D	0	1,729	0
Proliferation Detection R&D	6,163	11,207	11,840
Nuclear Detonation Detection	646	0	0

DEPARTMENT OF ENERGY

State Table

South Carolina FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Nonproliferation Stewardship Program	0	575	575
National Technical Nuclear Forensics R&D	0	0	1,943
Defense Nuclear Nonproliferation R&D	6,809	11,782	14,358
18-D-150, Surplus Plutonium Disposition Project, SRS	74,072	143,445	150,254
Nonproliferation Construction	74,072	143,445	150,254
Counterterrorism and Counterproliferation	3,140	3,090	3,488
Nuclear Counterterrorism & Incident Response	3,140	3,090	3,488
Defense Nuclear Nonproliferation Programs	174,419	237,228	253,671
Program Direction - National Nuclear Security Administration	8,188	8,710	10,349
Federal Salaries and Expenses Programs	8,188	8,710	10,349
Research - Basic Energy Sciences	1,780	0	0
Basic Energy Sciences	1,780	0	0
Research - Biological & Environmental Research	115	150	0
Biological and Environmental Research	115	150	0
Research - Fusion Energy Sciences	400	75	150
Fusion Energy Sciences	400	75	150
Research - High Energy Physics	360	0	0
High Energy Physics	360	0	0
Workforce Development for Teachers & Scientists	73	0	0
Science Programs	2,728	225	150
Vehicle Technologies	0	390	400
Hydrogen and Fuel Cells Technologies	1,628	1,065	2,791
Sustainable Transportation	1,628	1,455	3,191
Weatherization Assistance Program	2,449	2,441	2,977
Weatherization	2,449	2,441	2,977
State Energy Program Grants	842	839	839
Weatherization and Intergovernmental Programs	3,291	3,280	3,816
Energy Efficiency	3,291	3,280	3,816
Energy Efficiency and Renewable Energy Programs	4,919	4,735	7,007
Resilient Distribution Systems	142	0	0
Electricity Programs	142	0	0
Infrastructure Security and Energy Restoration	5,000	0	0
Cybersecurity, Energy Security, and Emergency Response Programs	5,000	0	0
HALEU for R&D and Demonstration Reactors	0	0	7,800
Used Nuclear Fuel Disposition R&D	310	300	300
Integrated Waste Management System	50	500	500
Fuel Cycle Research and Development FCRD	360	800	8,600
Nuclear Energy Programs	360	800	8,600
Interim Storage	0	234	0
Nuclear Waste Programs	0	234	0
Strategic Partnership Projects	6,700	6,700	0
Departmental Administration Programs	6,700	6,700	0
Environment, Health, Safety & Security	510	510	510
Environment, Health, Safety, and Security	510	510	510
Other Defense Activities Programs	510	510	510
Office of Technology Transitions	0	0	40
Savannah River Risk Management Operations	506,366	500,000	452,724
18-D-402 Emergency Operations Center Replacement, SR	6,792	6,500	8,999
19-D-701 SR Security Systems Replacement	4,525	1,000	5,000
20-D-402 Advanced Manufacturing Collaborative Facility (AMC)	25,000	25,000	0

DEPARTMENT OF ENERGY

State Table

South Carolina FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Construction - Savannah River Sites	36,317	32,500	13,999
Savannah River Legacy Pensions	0	0	130,882
SR Community and Regulatory Support	11,249	11,549	5,805
Radioactive Liquid Tank Waste Stabilization	820,106	910,832	890,865
20-D-401 Saltstone Disposal Unit #10, 11, 12	500	562	19,500
18-D-402 Saltstone disposal unit #8/9	20,000	65,500	68,000
17-D-402 Saltstone Disposal Unit #7	40,034	10,716	0
05-D-405 Salt Waste Processing Facility, SRS	21,200	0	0
Construction - Radioactive Liquid Tank Waste	81,734	76,778	87,500
Savannah River Sites	1,455,772	1,531,659	1,581,775
Program Direction - Defense Environmental Cleanup	37,519	42,051	43,346
Safeguards and Security - Defense Environmental Cleanup	174,152	171,211	164,444
Defense Environmental Cleanup Programs	1,667,443	1,744,921	1,789,565
Total South Carolina	2,632,310	2,815,003	3,132,793

DEPARTMENT OF ENERGY
State Table
 South Dakota FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
South Dakota			
Research - High Energy Physics	30,500	30,000	28,905
High Energy Physics	30,500	30,000	28,905
Science Programs	30,500	30,000	28,905
Weatherization Assistance Program	2,413	2,237	2,401
Weatherization	2,413	2,237	2,401
State Energy Program Grants	416	416	416
Weatherization and Intergovernmental Programs	2,829	2,653	2,817
Energy Efficiency	2,829	2,653	2,817
Energy Efficiency and Renewable Energy Programs	2,829	2,653	2,817
Total South Dakota	33,329	32,653	31,722

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Tennessee			
B61 Life Extension Program	55,307	94,500	101,000
W88 Alteration Program	8,608	490	2,844
W80-4 Life Extension Program	52,478	3,306	43,143
W80-4 Alteration-SLCM	0	0	100
W87-1 Modification Program	4,000	40,000	100,000
W93 Program	0	1,000	1,500
Stockpile Major Modernization	120,393	139,296	248,587
Stockpile Sustainment	45,828	38,705	43,646
Weapons Dismantlement and Disposition	10,000	13,425	16,000
Production Operations	104,709	108,754	106,228
Stockpile Management	280,930	300,180	414,461
Secondary Capability Modernization	249,006	362,495	390,948
Tritium and Domestic Uranium Enrichment	66,130	1,667	46,115
Production Modernization	315,136	364,162	437,063
Assessment Science	320	220	220
Engineering and Integrated Assessments	3,486	7,539	7,715
Advanced Simulation and Computing	1,108	681	1,331
Weapons Technology and Manufacturing Maturation	6,558	16,204	10,676
Stockpile Research, Technology, and Engineering	11,472	24,644	19,942
Operations of Facilities	93,207	101,190	103,000
Safety and Environmental Operations	24,254	27,945	36,622
Maintenance and Repair of Facilities	98,700	119,000	117,000
Infrastructure and Safety	72,949	76,805	54,463
Capabilities Based Investments	11,910	27,170	24,700
Recapitalization	84,859	103,975	79,163
Operating	301,020	352,110	335,785
18-D-690, Lithium Processing Facility, Y-12	32,000	109,405	167,902
06-D-141, Uranium Processing Facility, Y-12	745,000	734,000	524,000
Programmatic	777,000	843,405	691,902
I&O - Construction	777,000	843,405	691,902
Infrastructure and Operations	1,078,020	1,195,515	1,027,687
Defense Nuclear Security (DNS)	167,465	173,820	181,085
17-D-710, West End Protected Area Reduction Project, Y-12	25,000	26,000	23,000
Construction - Defense Nuclear Security	25,000	26,000	23,000
Defense Nuclear Security	192,465	199,820	204,085
Information Technology and Cyber Security	7,422	10,778	7,924
Weapons Activities Programs	1,885,445	2,095,099	2,111,162
International Nuclear Security	15,397	12,990	13,155
Domestic Radiological Security	19,069	11,233	9,594
International Radiological Security	6,461	7,853	7,417
Nuclear Smuggling Detection and Deterrence	10,373	14,128	14,128
Global Material Security	51,300	46,204	44,294
Conversion (formerly HEU Reactor Conversion)	1,999	3,725	6,710
Nuclear Material Removal	9,874	9,802	11,700
Material Disposition	35,162	38,235	19,600
Laboratory and Partnership Support	2,165	2,965	0
Material Management and Minimization	49,200	54,727	38,010
Nonproliferation & Arms Control	24,514	26,609	27,223

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
National Technical Nuclear Forensics (NTNF) R&D	0	4,624	0
Proliferation Detection R&D	35,705	32,946	34,808
Nuclear Detonation Detection	2,011	503	510
Nonproliferation Fuels Development	4,800	7,000	0
Nonproliferation Stewardship Program	4,750	14,119	25,959
National Technical Nuclear Forensics R&D	0	0	5,203
Defense Nuclear Nonproliferation R&D	47,266	54,568	66,480
Counterterrorism and Counterproliferation	11,693	14,339	15,335
Nuclear Counterterrorism & Incident Response	11,693	14,339	15,335
Defense Nuclear Nonproliferation Programs	183,973	201,071	191,342
Program Direction - National Nuclear Security Administration	25,618	24,900	26,886
Federal Salaries and Expenses Programs	25,618	24,900	26,886
Research - Advanced Scientific Computing Research	235,254	252,420	248,207
17-SC-20, SC Exascale Computing Project (ECP)	188,735	168,945	129,000
Advanced Scientific Computing Research	423,989	421,365	377,207
Research - Basic Energy Sciences	374,846	350,201	337,923
19-SC-14, Second Target Station (STS), ORNL	0	29,000	32,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	80,000	52,000	17,000
Construction - Basic Energy Sciences	80,000	81,000	49,000
Basic Energy Sciences	454,846	431,201	386,923
Research - Biological & Environmental Research	97,253	88,541	87,554
Biological and Environmental Research	97,253	88,541	87,554
Research - Fusion Energy Sciences	33,250	28,351	35,682
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	242,000	221,000
Construction - Fusion Energy Sciences	242,000	242,000	221,000
Fusion Energy Sciences	275,250	270,351	256,682
Research - High Energy Physics	1,251	1,423	990
High Energy Physics	1,251	1,423	990
Operations and Maintenance - Nuclear Physics	14,587	15,436	18,451
Nuclear Physics	14,587	15,436	18,451
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	12,000	12,000	0
Construction - Isotope R&D and Production	12,000	12,000	0
Isotope R&D and Production	12,000	12,000	0
Research - Accelerator R&D and Production	0	0	57
Accelerator R&D and Production	0	0	57
Workforce Development for Teachers & Scientists	12,653	0	0
PILT	2,890	1,500	2,410
Oak Ridge Landlord	5,610	5,860	6,430
Oak Ridge Nuclear Operations	26,000	26,000	20,000
Facilities and Infrastructure (SLI)	7,472	200	200
22-SC-71, Critical Infrastructure Modernization Project (CIMP), ORNL	0	0	1,000
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74)	15,000	25,000	0
19-SC-73, Translational Research Capability, ORNL	25,000	22,000	21,500
Construction - Science Laboratories Infrastructure	40,000	47,000	22,500
Science Laboratories Infrastructure	81,972	80,560	51,540
Safeguards and Security - SC	37,184	35,548	44,409
Program Direction - SC	37,952	36,975	37,915
Science Programs	1,448,937	1,393,400	1,261,728
Vehicle Technologies	29,500	34,320	34,600
Bioenergy Technologies	13,732	10,100	10,100

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Hydrogen and Fuel Cells Technologies	4,033	4,584	9,559
Sustainable Transportation	47,265	49,004	54,259
Geothermal Technologies	1,625	630	0
Solar Energy Technologies	0	867	1,197
Water Power Technologies	6,985	8,258	6,165
Wind Energy Technologies	1,306	1,954	1,718
Renewable Energy	9,916	11,709	9,080
Building Technologies	28,218	21,148	19,953
Advanced Manufacturing	41,523	46,704	46,250
Weatherization Assistance Program	5,712	6,305	8,295
Training and Technical Assistance	2,000	500	2,050
Weatherization Readiness Fund	0	0	500
Weatherization	7,712	6,805	10,845
State Energy Program Grants	1,538	2,104	2,090
Weatherization and Intergovernmental Programs	9,250	8,909	12,935
Federal Energy Management Program	6,377	4,599	6,725
Energy Efficiency	85,368	81,360	85,863
Energy Efficiency and Renewable Energy Programs	142,549	142,073	149,202
Transmission Reliability and Resilience	16,393	8,894	3,000
Resilient Distribution Systems	13,051	14,000	4,600
Energy Storage Research	2,399	3,200	3,000
Energy Storage	2,399	3,200	3,000
Transformer Resilience and Advanced Components	4,965	6,000	7,000
Grid Operations Technology	0	0	9,000
Electricity Programs	36,808	32,094	26,600
Cybersecurity for Energy Delivery Systems	1,300	10,000	0
Infrastructure Security and Energy Restoration	7,100	6,000	0
Risk Management Technology and Tools	0	0	17,000
Cybersecurity, Energy Security, and Emergency Response Programs	8,400	16,000	17,000
Carbon Capture	1,884	1,380	2,399
Carbon Storage	570	450	666
Mineral Sustainability	0	10,325	8,767
Carbon Dioxide Removal	0	900	1,418
Advanced Energy & Hydrogen Systems	1,145	878	783
CCUS & Power Systems	3,599	13,933	14,033
Cross Cutting Research	898	786	585
Advanced Coal Energy Systems & CCUS	898	786	585
Natural Gas Technologies Research	0	250	0
Fossil Energy and Carbon Management Programs	4,497	14,969	14,618
Advanced SMR R&D	746	0	0
Light Water Reactor Sustainability	4,919	4,941	5,358
Advanced Reactor Technologies	5,016	2,945	5,000
Reactors Concepts RD&D	10,681	7,886	10,358
Civil Nuclear Enrichment	40,000	40,000	0
Materials Recovery and Waste Form Development (MRWFD)	1,135	942	1,328
HALEU for R&D and Demonstration Reactors	0	0	2,000
Accident Tolerant Fuels	6,097	6,707	7,378
Triso Fuel and Graphite Qualification	1,719	1,200	3,000
Fuel Cycle Laboratory R&D	1,489	1,500	3,510
Used Nuclear Fuel Disposition R&D	8,248	8,250	8,250

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Integrated Waste Management System	3,782	4,000	4,000
Fuel Cycle Research and Development FCRD	62,470	62,599	29,466
Crosscutting Technology Development	900	850	2,000
Joint Modeling and Simulation Program	4,210	5,100	4,900
Nuclear Science User Facilities	433	100	100
Transformational Challenge Reactor	18,205	21,960	0
Nuclear Energy Enabling Technologies	23,748	28,010	7,000
National Reactor Innovation Center	115	500	1,516
Regulatory Development	1,685	2,020	2,000
Advanced Reactors Safeguards	670	575	575
Advanced Reactors Demonstration Program	2,470	3,095	4,091
Oak Ridge Nuclear Infrastructure	19,957	19,926	0
Infrastructure	19,957	19,926	0
International Nuclear Energy Cooperation	0	0	500
Program Direction - Nuclear Energy	2,098	1,982	0
Nuclear Energy Programs	121,424	123,498	51,415
Interim Storage	0	808	0
Nuclear Waste Programs	0	808	0
Strategic Partnership Projects	20,222	12,227	12,227
Departmental Administration Programs	20,222	12,227	12,227
Environment, Health, Safety & Security	5,455	5,455	5,405
Environment, Health, Safety, and Security	5,455	5,455	5,405
Other Defense Activities Programs	5,455	5,455	5,405
Office of Technology Transitions	275	275	306
OR Nuclear Facility D&D	213,000	254,132	274,923
U233 Disposition Program	55,000	55,000	55,000
OR Cleanup Disposition	101,100	112,471	73,725
17-D-401 On-site Waste Disposal Facility	0	22,380	12,500
14-D-403 Outfall 200 Mercury Treatment Facility	70,000	20,500	0
Construction - Oak Ridge	70,000	42,880	12,500
OR Community and Regulatory Support	5,900	5,900	5,096
OR Technology Development and Deployment	5,000	5,000	3,000
Oak Ridge (OR)	450,000	475,383	424,244
Program Direction - Defense Environmental Cleanup	15,148	15,026	15,148
Safeguards and Security - Defense Environmental Cleanup	9,000	9,260	12,000
Defense Environmental Cleanup Programs	474,148	499,669	451,392
Small Sites - NDEC	10,000	0	0
Non-Defense Environmental Cleanup Programs	10,000	0	0
Oak Ridge Reservation (D&D Fund)	195,693	134,701	105,000
Pension and Community and Regulatory Support	17,655	25,000	20,000
Uranium Enrichment D&D Programs	213,348	159,701	125,000
Total Tennessee	4,581,099	4,721,239	4,444,283

DEPARTMENT OF ENERGY

State Table
 Texas FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Texas			
B61 Life Extension Program	55,552	54,500	67,445
W88 Alteration Program	34,660	53,918	59,776
W80-4 Life Extension Program	35,410	41,500	51,603
W80-4 Alteration-SLCM	0	0	100
W87-1 Modification Program	500	12,000	12,000
W93 Program	0	500	1,000
Stockpile Major Modernization	126,122	162,418	191,924
Stockpile Sustainment	128,130	107,926	130,486
Weapons Dismantlement and Disposition	27,553	35,000	31,370
Production Operations	116,066	120,093	121,227
Stockpile Management	397,871	425,437	475,007
High Explosives & Energetics	3,047	20,828	16,500
Primary Capability Modernization	3,047	20,828	16,500
Production Modernization	3,047	20,828	16,500
Engineering and Integrated Assessments	4,284	8,029	10,919
Weapons Technology and Manufacturing Maturation	4,757	5,173	5,746
Stockpile Research, Technology, and Engineering	9,041	13,202	16,665
Operations of Facilities	76,793	75,190	77,000
Safety and Environmental Operations	18,241	14,454	27,498
Maintenance and Repair of Facilities	83,600	117,000	112,000
Infrastructure and Safety	58,194	62,972	70,577
Capabilities Based Investments	17,103	9,080	6,000
Recapitalization	75,297	72,052	76,577
Operating	253,931	278,696	293,075
21-D-510, HE Synthesis, Formulation, and Production Facility, PX	0	28,000	44,500
15-D-301, HE Science & Engineering Facility, PX	5,880	43,000	0
Programmatic	5,880	71,000	44,500
I&O - Construction	5,880	71,000	44,500
Infrastructure and Operations	259,811	349,696	337,575
STA Operations and Equipment	7,431	7,006	8,105
Secure Transportation Asset	7,431	7,006	8,105
Defense Nuclear Security (DNS)	138,847	143,250	147,125
Defense Nuclear Security	138,847	143,250	147,125
Information Technology and Cyber Security	7,203	10,259	7,696
Weapons Activities Programs	823,251	969,678	1,008,673
Material Disposition	2,968	6,000	3,800
Material Management and Minimization	2,968	6,000	3,800
Nonproliferation & Arms Control	359	376	400
Counterterrorism and Counterproliferation	2,530	2,606	2,805
Nuclear Counterterrorism & Incident Response	2,530	2,606	2,805
Defense Nuclear Nonproliferation Programs	5,857	8,982	7,005
Research - Advanced Scientific Computing Research	1,535	1,935	0
Advanced Scientific Computing Research	1,535	1,935	0
Research - Basic Energy Sciences	3,740	0	0
Basic Energy Sciences	3,740	0	0
Research - Biological & Environmental Research	5,012	3,403	2,621
Biological and Environmental Research	5,012	3,403	2,621
Research - Fusion Energy Sciences	4,079	2,600	0

DEPARTMENT OF ENERGY

State Table
 Texas FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Fusion Energy Sciences	4,079	2,600	0
Research - High Energy Physics	2,791	5,143	4,640
High Energy Physics	2,791	5,143	4,640
Operations and Maintenance - Nuclear Physics	18,059	0	0
Nuclear Physics	18,059	0	0
Science Programs	35,216	13,081	7,261
Weatherization Assistance Program	7,715	7,909	10,113
Weatherization	7,715	7,909	10,113
State Energy Program Grants	3,703	3,749	3,749
Weatherization and Intergovernmental Programs	11,418	11,658	13,862
Energy Efficiency	11,418	11,658	13,862
Energy Efficiency and Renewable Energy Programs	11,418	11,658	13,862
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Other Defense Activities Programs	10	10	10
Total Texas	875,752	1,003,409	1,036,811

DEPARTMENT OF ENERGY
State Table
Undesignated State FY 2022
(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Undesignated State			
Research - Advanced Scientific Computing Research	25,687	49,552	125,339
Advanced Scientific Computing Research	25,687	49,552	125,339
Research - Basic Energy Sciences	40,822	0	392,928
Basic Energy Sciences	40,822	0	392,928
Research - Biological & Environmental Research	136	106,090	123,767
Biological and Environmental Research	136	106,090	123,767
Research - Fusion Energy Sciences	25,594	42,456	20,951
Fusion Energy Sciences	25,594	42,456	20,951
Research - High Energy Physics	61,240	28,708	45,002
High Energy Physics	61,240	28,708	45,002
Operations and Maintenance - Nuclear Physics	26,433	52,345	41,019
Nuclear Physics	26,433	52,345	41,019
Research - Accelerator R&D and Production	0	0	4,942
Accelerator R&D and Production	0	0	4,942
Workforce Development for Teachers & Scientists	0	29,000	35,000
Science Programs	179,912	308,151	788,948
21-EE-001, Energy Materials Processing at Scale (EMAPS)	0	0	8,000
Total Facilities and Infrastructure	0	0	8,000
Corporate Support	0	0	8,000
Energy Efficiency and Renewable Energy Programs	0	0	8,000
Transmission Reliability and Resilience	1,739	1,937	8,900
Resilient Distribution Systems	1,359	7,805	20,020
Energy Storage Research	1,673	5,990	24,030
Energy Storage	1,673	5,990	24,030
Cyber R&D	0	0	21,000
Transformer Resilience and Advanced Components	223	312	12,820
Grid Operations Technology	0	0	3,750
DCEI Energy Mission Assurance	0	500	0
Transmission Permitting and Technical Assistance	0	3,500	1,750
Electricity Programs	4,994	20,044	92,270
Production Operations - Naval Petroleum & Oil Shale Reserve	12,000	11,000	11,650
Program Direction - Naval Petroleum & Oil Shale Reserve	2,000	2,006	2,000
Naval Petroleum & Oil Shale Reserves	14,000	13,006	13,650
Strategic Petroleum Reserve Management	26,765	0	28,475
Storage Facilities Development	168,235	188,000	168,525
SPR - Petroleum Account	10,000	1,000	7,350
Subtotal, Strategic Petroleum Reserve	205,000	189,000	204,350
Northeast Home Heating Oil Reserves	10,000	6,500	0
Northeast Home Heating Reserve	10,000	6,500	0
Economic Impact & Diversity	1,500	1,442	2,140
Chief Information Officer	0	0	93,250
Artificial Intelligence & Technology Office	2,500	2,500	1,500
Artificial Intelligence Technology Office	2,500	2,500	1,500
Office of International Affairs - IA	2,067	1,025	1,025
Departmental Administration Programs	6,067	4,967	97,915
Office of Technology Transitions	5,000	5,000	0
Title XVII Loan Guarantee Credit Subsidy	0	0	150,000
Title XVII Loan Guarantee Programs	0	0	150,000

DEPARTMENT OF ENERGY
State Table
 Undesignated State FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Federal Contribution to the Uranium Enrichment D&D Fund	0	0	415,670
Defense Environmental Cleanup Programs	0	0	415,670
Clean Energy Demonstration Activities	0	0	386,500
Office of Clean Energy Demonstration (OCED) Programs	0	0	386,500
Total Undesignated State	424,973	546,668	2,157,303

DEPARTMENT OF ENERGY
State Table
 U.S. Virgin Islands FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
U.S. Virgin Islands			
Weatherization Assistance Program	239	231	250
Weatherization	239	231	250
State Energy Program Grants	330	310	310
Weatherization and Intergovernmental Programs	569	541	560
Energy Efficiency	569	541	560
Energy Efficiency and Renewable Energy Programs	569	541	560
Total U.S. Virgin Islands	569	541	560

DEPARTMENT OF ENERGY

State Table
 Utah FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Utah			
Research - Basic Energy Sciences	2,875	0	0
Basic Energy Sciences	2,875	0	0
Research - Biological & Environmental Research	84	0	0
Biological and Environmental Research	84	0	0
Research - High Energy Physics	377	275	0
High Energy Physics	377	275	0
Science Programs	3,336	275	0
Weatherization Assistance Program	2,743	2,573	2,830
Weatherization	2,743	2,573	2,830
State Energy Program Grants	599	597	597
Weatherization and Intergovernmental Programs	3,342	3,170	3,427
Energy Efficiency	3,342	3,170	3,427
Energy Efficiency and Renewable Energy Programs	3,342	3,170	3,427
Small Sites - NDEC	45,000	47,833	85,000
Non-Defense Environmental Cleanup Programs	45,000	47,833	85,000
Total Utah	51,678	51,278	88,427

DEPARTMENT OF ENERGY

State Table

Vermont FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Vermont			
Weatherization Assistance Program	1,699	1,605	1,780
Weatherization	1,699	1,605	1,780
State Energy Program Grants	388	388	388
Weatherization and Intergovernmental Programs	2,087	1,993	2,168
Energy Efficiency	2,087	1,993	2,168
Energy Efficiency and Renewable Energy Programs	2,087	1,993	2,168
Total Vermont	2,087	1,993	2,168

DEPARTMENT OF ENERGY

State Table
 Virginia FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Virginia			
Research - Advanced Scientific Computing Research	810	910	550
Advanced Scientific Computing Research	810	910	550
Research - Basic Energy Sciences	1,075	0	0
Basic Energy Sciences	1,075	0	0
Research - Biological & Environmental Research	6,147	3,816	0
Biological and Environmental Research	6,147	3,816	0
Research - High Energy Physics	2,620	770	1,740
High Energy Physics	2,620	770	1,740
Operations and Maintenance - Nuclear Physics	133,267	129,353	157,984
Nuclear Physics	133,267	129,353	157,984
Research - Accelerator R&D and Production	0	0	350
Accelerator R&D and Production	0	0	350
Workforce Development for Teachers & Scientists	237	0	0
Facilities and Infrastructure (SLI)	0	0	3,900
22-SC-72, Infrastructure Improvements (TJII), TJNAF	0	0	1,000
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	2,000	2,000	10,000
Construction - Science Laboratories Infrastructure	2,000	2,000	11,000
Science Laboratories Infrastructure	2,000	2,000	14,900
Safeguards and Security - SC	3,037	3,037	4,819
Program Direction - SC	2,148	1,812	2,253
Science Programs	151,341	141,698	182,596
Weatherization Assistance Program	5,369	5,171	5,980
Weatherization	5,369	5,171	5,980
State Energy Program Grants	1,251	1,253	1,253
Weatherization and Intergovernmental Programs	6,620	6,424	7,233
Energy Efficiency	6,620	6,424	7,233
Energy Efficiency and Renewable Energy Programs	6,620	6,424	7,233
Resilient Distribution Systems	89	0	0
Transmission Permitting and Technical Assistance	489	400	600
Electricity Programs	578	400	600
Office of Technology Transitions	30	30	40
Small Sites - NDEC	18,200	12,000	21,340
Non-Defense Environmental Cleanup Programs	18,200	12,000	21,340
Total Virginia	176,769	160,552	211,809

DEPARTMENT OF ENERGY

State Table
 Washington FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Washington			
Production Operations	125	0	0
Stockpile Management	125	0	0
Secondary Capability Modernization	756	1,935	1,650
Tritium and Domestic Uranium Enrichment	54,279	56,786	56,750
Production Modernization	55,035	58,721	58,400
Assessment Science	10	0	0
Engineering and Integrated Assessments	35	0	0
Weapons Technology and Manufacturing Maturation	35	0	900
Stockpile Research, Technology, and Engineering	80	0	900
Safety and Environmental Operations	3,350	7,571	5,674
Infrastructure and Safety	689	0	0
Capabilities Based Investments	100	0	0
Recapitalization	789	0	0
Operating	4,139	7,571	5,674
Infrastructure and Operations	4,139	7,571	5,674
Weapons Activities Programs	59,379	66,292	64,974
International Nuclear Security	4,064	12,292	12,448
Domestic Radiological Security	26,463	30,211	25,802
International Radiological Security	35,200	42,502	40,141
Nuclear Smuggling Detection and Deterrence	43,837	54,941	54,941
Global Material Security	109,564	139,946	133,332
Conversion (formerly HEU Reactor Conversion)	21,900	22,950	22,500
Nuclear Material Removal	0	150	350
Material Disposition	100	2,900	4,200
Laboratory and Partnership Support	0	462	0
Material Management and Minimization	22,000	26,462	27,050
Nonproliferation & Arms Control	21,326	20,181	20,567
National Technical Nuclear Forensics (NTNF) R&D	0	4,746	0
Proliferation Detection R&D	29,356	23,637	24,972
Nuclear Detonation Detection	6,622	19,165	19,453
Nonproliferation Stewardship Program	450	450	2,409
National Technical Nuclear Forensics R&D	0	0	5,340
Defense Nuclear Nonproliferation R&D	36,428	43,252	52,174
18-D-150, Surplus Plutonium Disposition Project, SRS	3,921	1,282	2,700
Nonproliferation Construction	3,921	1,282	2,700
Emergency Operations	1,453	254	1,400
Counterterrorism and Counterproliferation	5,287	5,348	6,146
Nuclear Counterterrorism & Incident Response	6,740	5,602	7,546
Defense Nuclear Nonproliferation Programs	199,979	241,471	243,369
Program Direction - National Nuclear Security Administration	1,261	1,388	1,531
Federal Salaries and Expenses Programs	1,261	1,388	1,531
Research - Advanced Scientific Computing Research	4,360	4,635	600
Advanced Scientific Computing Research	4,360	4,635	600
Research - Basic Energy Sciences	36,839	23,694	23,694
Basic Energy Sciences	36,839	23,694	23,694
Research - Biological & Environmental Research	135,916	114,967	139,675
Biological and Environmental Research	135,916	114,967	139,675
Research - Fusion Energy Sciences	1,011	723	1,678

DEPARTMENT OF ENERGY

State Table
 Washington FY 2022
 (Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Fusion Energy Sciences	1,011	723	1,678
Research - High Energy Physics	2,805	2,745	2,155
High Energy Physics	2,805	2,745	2,155
Operations and Maintenance - Nuclear Physics	830	0	0
Nuclear Physics	830	0	0
Workforce Development for Teachers & Scientists	1,589	0	0
Facilities and Infrastructure (SLI)	0	0	1,600
18-SC-71, Energy Sciences Capability, PNNL	23,000	23,000	0
Construction - Science Laboratories Infrastructure	23,000	23,000	0
Science Laboratories Infrastructure	23,000	23,000	1,600
Safeguards and Security - SC	12,759	13,512	19,093
Program Direction - SC	5,186	5,066	5,599
Science Programs	224,295	188,342	194,094
Vehicle Technologies	13,300	16,314	20,000
Bioenergy Technologies	17,350	12,000	12,800
Hydrogen and Fuel Cells Technologies	5,940	6,855	8,603
Sustainable Transportation	36,590	35,169	41,403
Geothermal Technologies	725	700	0
Solar Energy Technologies	316	0	0
Water Power Technologies	12,411	14,186	15,450
Wind Energy Technologies	6,430	6,107	8,447
Renewable Energy	19,882	20,993	23,897
Building Technologies	30,172	23,406	35,247
Advanced Manufacturing	300	1,779	300
Weatherization Assistance Program	6,034	5,649	6,205
Weatherization	6,034	5,649	6,205
State Energy Program Grants	1,055	1,046	1,096
Weatherization and Intergovernmental Programs	7,089	6,695	7,301
Federal Energy Management Program	4,839	4,157	6,270
Energy Efficiency	42,400	36,037	49,118
Strategic Programs	50	350	2,500
Corporate Support	50	350	2,500
Energy Efficiency and Renewable Energy Programs	98,922	92,549	116,918
Transmission Reliability and Resilience	10,873	9,520	4,000
Resilient Distribution Systems	10,530	15,838	12,200
Energy Storage Research	23,462	17,700	16,870
20-OE-100 Grid Storage Launchpad	1,000	23,000	47,000
Construction - Energy Storage	1,000	23,000	47,000
Energy Storage	24,462	40,700	63,870
Cyber R&D	0	0	2,500
Transformer Resilience and Advanced Components	62	0	0
Grid Operations Technology	0	0	8,000
Transmission Permitting and Technical Assistance	507	140	1,000
Electricity Programs	46,433	66,198	91,570
Cybersecurity for Energy Delivery Systems	3,300	1,000	0
Infrastructure Security and Energy Restoration	6,500	16,525	0
Risk Management Technology and Tools	0	0	11,000
Response and Restoration	0	0	16,000
Information Sharing, Partnerships and Exercises	0	0	3,000
Cybersecurity, Energy Security, and Emergency Response Programs	9,800	17,525	30,000

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State Table

Washington FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Carbon Capture	3,598	2,636	4,582
Carbon Storage	2,406	1,901	2,815
Advanced Energy & Hydrogen Systems	334	256	228
CCUS & Power Systems	6,338	4,793	7,625
Cross Cutting Research	521	456	340
Advanced Coal Energy Systems & CCUS	521	456	340
Unconventional Fossil Energy Technologies from Petroleum-Oil Technologies	500	500	0
Natural Gas Technologies Research	699	1,000	0
Fossil Energy and Carbon Management Programs	8,058	6,749	7,965
Advanced Reactor Technologies	1,160	730	1,470
Reactors Concepts RD&D	1,160	730	1,470
Mining, Conversion, and Transportation	0	450	0
Materials Recovery and Waste Form Development (MRWFD)	700	581	819
Accident Tolerant Fuels	77	85	94
Fuel Cycle Laboratory R&D	1,053	1,000	2,340
Used Nuclear Fuel Disposition R&D	7,869	7,825	7,825
Integrated Waste Management System	1,768	3,500	9,500
Fuel Cycle Research and Development FCRD	11,467	13,441	20,578
Crosscutting Technology Development	225	194	480
Nuclear Science User Facilities	162	10	10
Nuclear Energy Enabling Technologies	387	204	490
National Reactor Innovation Center	910	850	1,600
Regulatory Development	250	100	232
Advanced Reactors Safeguards	385	260	260
Advanced Reactors Demonstration Program	1,545	1,210	2,092
International Nuclear Energy Cooperation	0	0	200
Program Direction - Nuclear Energy	158	195	200
Nuclear Energy Programs	14,717	15,780	25,030
Interim Storage	0	4,334	0
Nuclear Waste Programs	0	4,334	0
Office of International Affairs - IA	450	0	0
Strategic Partnership Projects	100	100	100
Departmental Administration Programs	550	100	100
Environment, Health, Safety & Security	2,905	2,905	2,905
Environment, Health, Safety, and Security	2,905	2,905	2,905
Other Defense Activities Programs	2,905	2,905	2,905
Office of Technology Transitions	175	175	175
River Corridor and Other Cleanup Operations	236,102	232,479	196,000
Central Plateau Remediation	654,800	670,000	689,776
Richland Community and Regulatory Support	10,121	8,621	5,121
18-D-404 Modification of Waste Encapsulation and Storage Facility	11,000	15,000	8,000
22-D-401 L-888, 400 Area Fire Station	0	0	15,200
22-D-402 L-897, 200 Area Water Treatment Facility	0	0	12,800
Construction - Richland	11,000	15,000	36,000
Richland	912,023	926,100	926,897
Waste Treatment Immobilization Plant Commissioning	15,000	50,000	50,000
Rad Liquid Tank Waste Stabilization and Disposition	775,000	784,000	817,642
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	776,000	786,000	586,000
01-D-16D High-Level Waste Facility	25,000	25,000	60,000
01-D-16E Pretreatment Facility	15,000	0	20,000

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State Table

Washington FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Construction - Office of River Protection	816,000	811,000	666,000
ORP Low-Level Waste Offsite Disposal	10,000	0	7,000
Office of River Protection (ORP)	1,616,000	1,645,000	1,540,642
Program Direction - Defense Environmental Cleanup	65,808	65,399	67,213
Safeguards and Security - Defense Environmental Cleanup	86,778	96,300	96,300
Defense Environmental Cleanup Programs	2,680,609	2,732,799	2,631,052
Fast Flux Test Reactor Facility (WA)	2,500	2,500	3,100
Non-Defense Environmental Cleanup Programs	2,500	2,500	3,100
Total Washington	3,349,583	3,439,107	3,412,783

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State Table

West Virginia FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
West Virginia			
Weatherization Assistance Program	4,058	3,783	4,122
Weatherization	4,058	3,783	4,122
State Energy Program Grants	606	611	611
Weatherization and Intergovernmental Programs	4,664	4,394	4,733
Energy Efficiency	4,664	4,394	4,733
Energy Efficiency and Renewable Energy Programs	4,664	4,394	4,733
Carbon Capture	11,687	8,562	14,882
Carbon Utilization	0	4,365	7,212
Carbon Storage	19,632	15,509	22,969
Mineral Sustainability	0	7,357	6,247
Carbon Dioxide Removal	0	1,000	1,575
CCUS & Power Systems	31,319	36,793	52,885
Fossil Energy and Carbon Management Programs	31,319	36,793	52,885
Legacy Management Activities - Defense	2,464	2,403	2,403
Legacy Management	2,464	2,403	2,403
Other Defense Activities Programs	2,464	2,403	2,403
Loan Guarantee Program	200	150	300
Title XVII Loan Guarantee Programs	200	150	300
Total West Virginia	38,647	43,740	60,321

DEPARTMENT OF ENERGY

State Table

Wisconsin FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Wisconsin			
Research - Basic Energy Sciences	1,310	0	0
Basic Energy Sciences	1,310	0	0
Research - Biological & Environmental Research	29,250	27,613	26,009
Biological and Environmental Research	29,250	27,613	26,009
Research - Fusion Energy Sciences	5,560	993	0
Fusion Energy Sciences	5,560	993	0
Research - High Energy Physics	0	2,910	2,355
High Energy Physics	0	2,910	2,355
Science Programs	36,120	31,516	28,364
Weatherization Assistance Program	11,395	10,696	11,828
Weatherization	11,395	10,696	11,828
State Energy Program Grants	1,157	1,159	1,159
Weatherization and Intergovernmental Programs	12,552	11,855	12,987
Energy Efficiency	12,552	11,855	12,987
Energy Efficiency and Renewable Energy Programs	12,552	11,855	12,987
Total Wisconsin	48,672	43,371	41,351

DEPARTMENT OF ENERGY

State Table

Wyoming FY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Wyoming			
Research - Biological & Environmental Research	724	0	0
Biological and Environmental Research	724	0	0
Science Programs	724	0	0
Weatherization Assistance Program	1,475	1,372	1,458
Weatherization	1,475	1,372	1,458
State Energy Program Grants	408	411	411
Weatherization and Intergovernmental Programs	1,883	1,783	1,869
Energy Efficiency	1,883	1,783	1,869
Energy Efficiency and Renewable Energy Programs	1,883	1,783	1,869
Total Wyoming	2,607	1,783	1,869