

Department of Energy

FY 2021 Congressional Budget Request



State Tables Preliminary

Department of Energy

FY 2021 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 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Alabama	5,614	5,197	742
Alaska	3,801	3,540	392
American Samoa	454	520	0
Arizona	5,015	6,481	942
Arkansas	2,843	3,312	0
California	3,193,633	3,368,321	3,133,130
Colorado	1,521,580	1,878,263	1,062,809
Connecticut	11,396	6,934	2,580
Delaware	4,991	5,157	3,950
District of Columbia	5,180,817	6,020,234	6,441,371
Florida	20,973	21,240	13,957
Georgia	85,596	89,701	103,094
Guam	472	542	0
Hawaii	1,462	1,968	750
Idaho	2,040,012	2,170,029	1,602,483
Illinois	1,787,824	1,903,330	1,512,916
Indiana	17,912	17,277	5,962
Iowa	67,498	64,842	33,631
Kansas	5,446	7,804	4,187
Kentucky	296,236	333,768	297,647
Louisiana	192,433	181,966	158,328
Maine	3,852	4,499	0
Maryland	14,694	14,553	8,254
Massachusetts	52,813	45,692	31,769
Michigan	110,811	99,381	36,016
Minnesota	22,298	22,578	7,385
Mississippi	2,695	3,090	320
Missouri	772,430	1,033,336	1,211,641
Montana	11,433	8,827	3,751
Nebraska	6,892	4,704	876
Nevada	527,205	619,549	858,178
New Hampshire	3,730	3,535	0
New Jersey	130,352	121,175	113,076
New Mexico	6,261,494	6,490,894	7,473,600
New York	1,585,240	1,535,950	1,400,317
North Carolina	9,818	12,007	4,465
North Dakota	3,063	3,586	0
Northern Mariana Islands	455	522	0

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State Table Summary Report
FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Ohio	557,267	587,405	551,763
Oklahoma	131,993	143,307	159,445
Oregon	6,394	4,887	750
Pennsylvania	1,168,341	1,150,926	830,471
Puerto Rico	1,585	1,808	0
Rhode Island	3,665	4,805	2,479
South Carolina	2,211,908	2,672,292	2,866,374
South Dakota	3,522	33,329	27,000
Tennessee	4,377,715	4,543,259	4,185,868
Texas	871,717	924,604	1,026,708
Undesignated State	50,673	42,530	11,503
U.S. Virgin Islands	494	569	0
Utah	52,131	51,974	50,803
Vermont	1,793	2,087	0
Virginia	162,499	175,160	155,036
Washington	3,272,604	3,317,762	2,551,013
West Virginia	7,216	7,278	2,403
Wisconsin	52,914	46,989	30,371
Wyoming	1,622	1,883	0
Total DOE by State	36,901,336	39,827,158	37,980,506

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State Table

Alabama FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Alabama			
Biological & Environmental Research	505	521	202
Research - Fusion Energy Sciences	540	540	540
Fusion Energy Sciences	540	540	540
Research - High Energy Physics	1,022	0	0
High Energy Physics	1,022	0	0
Science Programs	2,067	1,061	742
State Energy Program Grants	795	914	0
Weatherization Assistance Program	2,752	3,222	0
Weatherization and Intergovernmental Programs	3,547	4,136	0
Energy Efficiency and Renewable Energy Programs	3,547	4,136	0
Total Alabama	5,614	5,197	742

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State Table
 Alaska FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Alaska			
Biological & Environmental Research	50	623	242
Science Programs	50	623	242
State Energy Program Grants	386	448	0
Weatherization Assistance Program	1,983	2,319	0
Weatherization and Intergovernmental Programs	2,369	2,767	0
Energy Efficiency and Renewable Energy Programs	2,369	2,767	0
Energy Storage Research	150	0	0
Energy Storage	150	0	0
Electricity Programs	150	0	0
Indian Energy Policy & Programs	1,232	150	150
Indian Energy Policy and Programs (IEPP)	1,232	150	150
Total Alaska	3,801	3,540	392

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State Table
 American Samoa FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
American Samoa			
State Energy Program Grants	257	299	0
Weatherization Assistance Program	197	221	0
Weatherization and Intergovernmental Programs	454	520	0
Energy Efficiency and Renewable Energy Programs	454	520	0
Total American Samoa	454	520	0

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State Table

Arizona FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Arizona			
Research - Basic Energy Sciences	0	442	442
Basic Energy Sciences	0	442	442
Biological & Environmental Research	1,742	1,752	0
Research - High Energy Physics	742	1,334	500
High Energy Physics	742	1,334	500
Science Programs	2,484	3,528	942
State Energy Program Grants	762	886	0
Weatherization Assistance Program	1,769	2,067	0
Weatherization and Intergovernmental Programs	2,531	2,953	0
Energy Efficiency and Renewable Energy Programs	2,531	2,953	0
Total Arizona	5,015	6,481	942

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State Table

Arkansas FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Arkansas			
State Energy Program Grants	604	693	0
Weatherization Assistance Program	2,239	2,619	0
Weatherization and Intergovernmental Programs	2,843	3,312	0
Energy Efficiency and Renewable Energy Programs	2,843	3,312	0
Total Arkansas	2,843	3,312	0

DEPARTMENT OF ENERGY

State Table
California FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
California			
B61 Life Extension Program	3,700	2,200	695
W88 Alteration Program	871	0	0
W80-4 Life Extension Program	163,064	176,637	189,941
W87-1 Modification Program	17,000	44,000	200,000
W93	0	0	4,000
Stockpile Major Modernization	184,635	222,837	394,636
Stockpile Sustainment	81,909	88,554	88,175
Weapons Dismantlement and Disposition	2,000	3,900	2,000
Production Operations	0	5,955	5,955
Stockpile Management	268,544	321,246	490,766
Plutonium Modernization	31,233	36,755	51,361
High Explosives & Energetics	6,856	8,068	11,000
Primary Capability Modernization	38,089	44,823	62,361
Secondary Capability Modernization	1,600	3,905	13,935
Tritium and Domestic Uranium Enrichment	0	37	47
Production Modernization	39,689	48,765	76,343
Assessment Science	122,105	151,338	186,071
Engineering and Integrated Assessments	53,754	74,143	91,450
Inertial Confinement Fusion	350,500	341,876	343,526
Advanced Simulation and Computing	185,721	288,442	178,024
Weapons Technology and Manufacturing Maturation	26,394	44,200	37,100
Academic Programs	2,000	2,000	1,000
Stockpile Research, Technology, and Engineering	740,474	901,999	837,171
Operations of Facilities	77,000	75,000	80,000
Safety and Environmental Operations	31,215	18,218	35,436
Maintenance and Repair of Facilities	24,000	16,000	36,000
Infrastructure and Safety	55,428	55,458	62,640
Capabilities Based Investments	13,790	17,662	30,430
Recapitalization	69,218	73,120	93,070
Operating	201,433	182,338	244,506
18-D-620, Exascale Computing Facility Modernization Project, LLNL	23,000	50,000	29,200
Programmatic	23,000	50,000	29,200
15-D-612, Emergency Operations Center, LLNL	0	5,000	27,000
Mission Enabling	0	5,000	27,000
I&O - Construction	23,000	55,000	56,200
Infrastructure and Operations	224,433	237,338	300,706
Defense Nuclear Security (DNS)	67,162	67,135	69,699
Defense Nuclear Security	67,162	67,135	69,699
Information Technology and Cyber Security	18,165	29,165	29,165
Weapons Activities Programs	1,358,467	1,605,648	1,803,850
International Nuclear Security	7,070	8,830	10,061
Domestic Radiological Security	1,032	0	0
International Radiological Security	3,926	4,716	4,383
Nuclear Smuggling Detection and Deterrence	4,911	4,491	4,512
Global Material Security	16,939	18,037	18,956
Nuclear Material Removal	34	0	0
Material Disposition	140	0	100
Material Management and Minimization	174	0	100

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State Table
California FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Nonproliferation & Arms Control	24,345	23,212	22,998
National Technical Nuclear Forensics R&D	0	0	11,486
Proliferation Detection R&D	54,758	53,600	42,229
Nuclear Detonation Detection	8,177	8,989	16,139
Nonproliferation Stewardship Program	0	750	1,000
Defense Nuclear Nonproliferation R&D	62,935	63,339	59,368
Emergency Operations	663	624	637
Counterterrorism and Counterproliferation	42,558	47,835	60,243
Nuclear Counterterrorism & Incident Response	43,221	48,459	60,880
Defense Nuclear Nonproliferation Programs	147,614	153,047	173,788
Program Direction - National Nuclear Security Administration	17,591	19,116	18,925
Federal Salaries and Expenses Programs	17,591	19,116	18,925
Research - Advanced Scientific Computing Research	220,754	220,639	179,172
Advanced Scientific Computing Research	220,754	220,639	179,172
Research - Basic Energy Sciences	427,489	436,167	422,269
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	60,000	60,000	13,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	28,000	50,000	14,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	129,300	0	0
Construction - Basic Energy Sciences	217,300	110,000	27,000
Basic Energy Sciences	644,789	546,167	449,269
Biological & Environmental Research	223,549	210,495	154,731
Research - Fusion Energy Sciences	108,850	87,910	79,768
20-SC-61, Matter in Extreme Conditions (MEC) Upgrade (TEC)	0	15,000	5,000
Construction - Fusion Energy Sciences	0	15,000	5,000
Fusion Energy Sciences	108,850	102,910	84,768
Research - High Energy Physics	166,170	148,881	126,774
High Energy Physics	166,170	148,881	126,774
Operations and Maintenance - Nuclear Physics	29,254	28,243	22,290
Nuclear Physics	29,254	28,243	22,290
Workforce Development for Teachers & Scientists	2,181	0	0
Facilities and Infrastructure (SLI)	9,400	0	0
20-SC-72, Seismic and Safety Modernization, LBNL	0	10,000	10,000
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	0	11,000	8,000
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	0	500	2,000
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	0	500	2,000
19-SC-74, BioEPIC, LBNL	5,000	15,000	6,000
Construction - Science Laboratories Infrastructure	5,000	37,000	28,000
Science Laboratories Infrastructure	14,400	37,000	28,000
Safeguards and Security - SC	11,459	11,503	11,503
Program Direction - SC	6,064	5,834	5,947
Science Programs	1,427,470	1,311,672	1,062,454
Bioenergy Technologies	9,756	9,749	3,250
Building Technologies	32,492	45,351	8,400
State Energy Program Grants	3,658	4,684	0
Weatherization Assistance Program	7,282	8,541	0
Training and Technical Assistance	170	200	0
Weatherization and Intergovernmental Programs	11,110	13,425	0
Advanced Manufacturing	17,400	15,068	4,667
Federal Energy Management Program	4,685	4,020	600
Vehicle Technologies	22,800	22,500	6,750

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State Table
 California FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Strategic Programs	2,750	2,050	1,000
Geothermal Technologies	12,967	4,155	800
Solar Energy Technologies	3,005	4,396	1,427
Wind Energy Technologies	2,446	3,001	1,609
Hydrogen and Fuel Cells Technologies	8,362	10,128	3,050
Energy Efficiency and Renewable Energy Programs	127,773	133,843	31,553
Transmission Reliability and Resilience	6,837	2,000	2,000
Resilient Distribution Systems	4,328	2,710	2,200
Energy Storage Research	1,573	0	0
Energy Storage	1,573	0	0
Transformer Resilience and Advanced Components	15	0	0
Transmission Permitting and Technical Assistance	1,243	1,330	1,330
Electricity Programs	13,996	6,040	5,530
Cybersecurity for Energy Delivery Systems	4,100	2,600	3,067
Infrastructure Security and Energy Restoration	350	4,000	4,719
Cybersecurity, Energy Security, and Emergency Response Programs	4,450	6,600	7,786
Carbon Capture Utilization and Storage	2,756	5,644	3,187
Cross Cutting Research	2,400	81	108
Advanced Coal Energy Systems & CCUS	5,156	5,725	3,295
Unconventional Fossil Energy from Petroleum - Oil Technologies	2,924	2,924	1,081
Natural Gas Technologies Research	2,697	2,294	636
Program Direction - Naval Petroleum & Oil Shale Reserve	8,000	12,000	11,000
Fossil Energy	18,777	22,943	16,012
Crosscutting Technology Development	45	0	0
Energy Innovation Hub for Modeling and Simulation	248	0	0
Nuclear Science User Facilities	146	50	50
NEAMS Joint Modeling and Simulation Program	579	0	0
Joint Modeling and Simulation Program	0	300	300
Nuclear Energy Enabling Technologies	1,018	350	350
Advanced Reactor Technologies	50	50	50
Reactors Concepts RD&D	50	50	50
Regulatory Development	0	75	50
Advanced Reactors Demonstration Program	0	75	50
Program Direction - Nuclear Energy	120	0	0
Fuel Cycle Research and Development	3,391	0	0
Used Nuclear Fuel Disposition R&D	0	4,500	4,500
Fuel Cycle Research and Development FCRD	3,391	4,500	4,500
Nuclear Energy Programs	4,579	4,975	4,950
Other Departmental Administration	541	160	160
Strategic Partnership Projects	3,500	3,500	3,308
Departmental Administration Programs	4,041	3,660	3,468
Environment, Health, Safety & Security	3,050	3,050	3,050
Environment, Health, Safety, and Security	3,050	3,050	3,050
Other Defense Activities Programs	3,050	3,050	3,050
Indian Energy Policy & Programs	4,121	0	0
Indian Energy Policy and Programs (IEPP)	4,121	0	0
Lawrence Livermore National Laboratory (LLNL)	1,704	1,727	1,764
LLNL Excess Facilities D&D	25,000	65,000	0
NNSA Sites and Nevada Off-Sites	26,704	66,727	1,764
Defense Environmental Cleanup Programs	26,704	66,727	1,764

DEPARTMENT OF ENERGY

State Table

California FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Small Sites - NDEC	35,000	31,000	0
Non-Defense Environmental Cleanup Programs	35,000	31,000	0
Total California	3,193,633	3,368,321	3,133,130

DEPARTMENT OF ENERGY

State Table
Colorado FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Colorado			
Research - Basic Energy Sciences	12,600	12,109	12,109
Basic Energy Sciences	12,600	12,109	12,109
Biological & Environmental Research	8,810	4,264	3,736
Research - Fusion Energy Sciences	778	778	778
Fusion Energy Sciences	778	778	778
Research - High Energy Physics	2,725	2,393	2,338
High Energy Physics	2,725	2,393	2,338
Workforce Development for Teachers & Scientists	1,368	0	0
Science Programs	26,281	19,544	18,961
Bioenergy Technologies	122,487	145,577	16,855
Building Technologies	70,649	68,437	17,900
State Energy Program Grants	4,733	3,970	0
Weatherization Assistance Program	6,453	8,266	0
Training and Technical Assistance	1,355	1,300	0
Weatherization and Intergovernmental Programs	12,541	13,536	0
Program Direction - Energy Efficiency and Renewable Energy	20,585	24,516	18,400
Advanced Manufacturing	78,825	276,699	69,330
Federal Energy Management Program	12,776	18,362	3,000
Vehicle Technologies	40,800	20,200	10,200
Strategic Programs	5,250	6,150	3,200
Facilities and Infrastructure - NREL	97,000	130,000	107,000
Geothermal Technologies	17,611	49,600	12,925
Solar Energy Technologies	185,238	198,281	42,978
Water Power Technologies	62,332	81,388	19,878
Wind Energy Technologies	54,539	65,000	11,172
Hydrogen and Fuel Cells Technologies	67,500	86,414	25,850
Energy Efficiency and Renewable Energy Programs	848,133	1,184,160	358,688
Transmission Reliability and Resilience	910	2,500	2,500
Resilient Distribution Systems	2,820	3,351	1,600
Energy Storage Research	127	0	0
Energy Storage	127	0	0
Transformer Resilience and Advanced Components	229	0	0
Transmission Permitting and Technical Assistance	395	455	455
Electricity Programs	4,481	6,306	4,555
Cybersecurity for Energy Delivery Systems	155	0	0
Infrastructure Security and Energy Restoration	50	5,000	5,898
Cybersecurity, Energy Security, and Emergency Response Programs	205	5,000	5,898
Cross Cutting Research	0	172	229
Advanced Coal Energy Systems & CCUS	0	172	229
Fossil Energy	0	172	229
Crosscutting Technology Development	1,495	0	0
Nuclear Energy Enabling Technologies	1,495	0	0
Program Direction - Nuclear Energy	0	100	0
Nuclear Energy Programs	1,495	100	0
Other Departmental Administration	1,455	1,378	1,378
Strategic Partnership Projects	500	500	500
Departmental Administration Programs	1,955	1,878	1,878
Legacy Management Activities - Defense	68,222	70,505	67,752

DEPARTMENT OF ENERGY

State Table

Colorado FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Legacy Management	68,222	70,505	67,752
Other Defense Activities Programs	68,222	70,505	67,752
Indian Energy Policy & Programs	300	300	300
Indian Energy Policy and Programs (IEPP)	300	300	300
Closure Sites Administration	2,000	1,900	1,800
Defense Environmental Cleanup Programs	2,000	1,900	1,800
System Operation And Maintenance - CROM	77,056	72,176	77,874
Construction And Rehabilitation - CROM	32,632	45,887	26,251
Program Direction - CROM	238,483	250,091	253,575
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	348,171	368,154	357,700
Western Area Power Administration Programs	348,171	368,154	357,700
Program Direction - Colorado River Basins Fund	62,948	67,112	70,316
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	157,389	153,132	174,731
Colorado River Basins Fund	220,337	220,244	245,047
Colorado River Basins Power Marketing Fund (CRBPMF) Programs	220,337	220,244	245,047
Total Colorado	1,521,580	1,878,263	1,062,809

DEPARTMENT OF ENERGY

State Table

Connecticut FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Connecticut			
Research - Basic Energy Sciences	2,400	1,200	1,200
Basic Energy Sciences	2,400	1,200	1,200
Biological & Environmental Research	199	199	0
Research - High Energy Physics	3,631	1,240	1,380
High Energy Physics	3,631	1,240	1,380
Operations and Maintenance - Nuclear Physics	1,472	0	0
Nuclear Physics	1,472	0	0
Science Programs	7,702	2,639	2,580
State Energy Program Grants	684	770	0
Weatherization Assistance Program	3,010	3,525	0
Weatherization and Intergovernmental Programs	3,694	4,295	0
Energy Efficiency and Renewable Energy Programs	3,694	4,295	0
Total Connecticut	11,396	6,934	2,580

DEPARTMENT OF ENERGY

State Table

Delaware FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Delaware			
Research - Basic Energy Sciences	3,200	3,200	3,200
Basic Energy Sciences	3,200	3,200	3,200
Biological & Environmental Research	750	750	750
Science Programs	3,950	3,950	3,950
State Energy Program Grants	348	403	0
Weatherization Assistance Program	693	804	0
Weatherization and Intergovernmental Programs	1,041	1,207	0
Energy Efficiency and Renewable Energy Programs	1,041	1,207	0
Total Delaware	4,991	5,157	3,950

DEPARTMENT OF ENERGY

State Table

District of Columbia FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
District of Columbia			
B61 Life Extension Program	8,306	8,019	8,150
W76-2 Modification Program	0	3,606	0
W88 Alteration Program	3,183	3,077	4,978
W80-4 Life Extension Program	6,849	9,090	15,005
W87-1 Modification Program	554	1,133	16,230
W93	0	0	1,590
Stockpile Major Modernization	18,892	24,925	45,953
Stockpile Sustainment	31,756	13,193	41,135
Weapons Dismantlement and Disposition	0	567	1,500
Production Operations	12,471	14,079	17,068
Stockpile Management	63,119	52,764	105,656
Plutonium Modernization	5,980	16,598	15,464
High Explosives & Energetics	0	0	5,361
Primary Capability Modernization	5,980	16,598	20,825
Secondary Capability Modernization	15,858	31,259	67,431
Tritium and Domestic Uranium Enrichment	68,558	96,448	89,983
Non-Nuclear Capability Modernization	1,895	2,873	22,137
Production Modernization	92,291	147,178	200,376
Assessment Science	17,219	16,627	60,014
Engineering and Integrated Assessments	3,106	3,325	5,134
Inertial Confinement Fusion	7,111	7,851	42,755
Advanced Simulation and Computing	119,802	69,663	218,626
Weapons Technology and Manufacturing Maturation	2,526	2,662	4,469
Stockpile Research, Technology, and Engineering	149,764	100,128	330,998
Operations of Facilities	9,000	25,000	14,000
Safety and Environmental Operations	9,129	38,361	17,434
Maintenance and Repair of Facilities	89,500	69,000	146,000
Infrastructure and Safety	36,860	52,697	209,185
Capabilities Based Investments	16,412	15,898	28,017
Planning for Programmatic Construction (Pre-CD-1)	0	0	84,787
Recapitalization	53,272	68,595	321,989
Operating	160,901	200,956	499,423
Infrastructure and Operations	160,901	200,956	499,423
Program Direction - STA - Federal Support	102,022	107,660	123,684
Secure Transportation Asset	102,022	107,660	123,684
Defense Nuclear Security (DNS)	30,321	88,107	117,141
Defense Nuclear Security	30,321	88,107	117,141
Information Technology and Cyber Security	124,070	189,745	265,356
Legacy Contractor Pensions (WA)	162,292	91,200	101,668
Weapons Activities Programs	884,780	977,738	1,744,302
International Nuclear Security	1,488	6,442	7,459
Domestic Radiological Security	611	28,981	19,911
International Radiological Security	1	9,045	8,406
Nuclear Smuggling Detection and Deterrence	526	5,103	5,127
Global Material Security	2,626	49,571	40,903
Conversion (formerly HEU Reactor Conversion)	0	6,646	57,500
Nuclear Material Removal	684	1,000	0
Material Disposition	2,804	72,358	17,817

DEPARTMENT OF ENERGY
State Table
District of Columbia FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Laboratory and Partnership Support	644	40,333	0
Material Management and Minimization	4,132	120,337	75,317
Nonproliferation & Arms Control	8,641	12,384	12,269
Proliferation Detection R&D	13,229	21,151	20,812
Nuclear Detonation Detection	2,660	16,406	11,208
Defense Nuclear Nonproliferation R&D	15,889	37,557	32,020
99-D-143, Mixed Oxide Fuel Fabrication Facility, SRS	135,582	110,000	0
18-D-150, Surplus Plutonium Disposition Project, SRS	0	2,250	3,500
Nonproliferation Construction	135,582	112,250	3,500
Emergency Operations	13,980	12,306	12,564
Counterterrorism and Counterproliferation	62,548	68,293	40,867
Nuclear Counterterrorism & Incident Response	76,528	80,599	53,431
Legacy Contractor Pensions (DNN)	28,640	13,700	14,348
Defense Nuclear Nonproliferation Programs	272,038	426,398	231,788
Naval Reactors Development	1,591	1,908	1,955
Naval Reactors Operations and Infrastructure	9,391	9,663	9,953
Program Direction - Naval Reactors	29,225	30,300	32,220
Naval Reactors Programs	40,207	41,871	44,128
Program Direction - National Nuclear Security Administration	296,331	311,384	330,664
Federal Salaries and Expenses Programs	296,331	311,384	330,664
Research - Advanced Scientific Computing Research	68,955	134,008	223,208
Advanced Scientific Computing Research	68,955	134,008	223,208
Research - Basic Energy Sciences	147,677	166,350	143,004
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	0	0	1,000
Construction - Basic Energy Sciences	0	0	1,000
Basic Energy Sciences	147,677	166,350	144,004
Biological & Environmental Research	29,092	121,108	75,327
Research - Fusion Energy Sciences	130,512	168,768	92,809
Fusion Energy Sciences	130,512	168,768	92,809
Research - High Energy Physics	98,473	156,285	150,042
High Energy Physics	98,473	156,285	150,042
Operations and Maintenance - Nuclear Physics	106,013	105,916	110,594
Nuclear Physics	106,013	105,916	110,594
Workforce Development for Teachers & Scientists	0	28,000	20,500
Facilities and Infrastructure (SLI)	0	38,578	6,000
Science Laboratories Infrastructure	0	38,578	6,000
Safeguards and Security - SC	4,583	11,669	14,592
Program Direction - SC	92,066	97,902	101,403
Science Programs	677,371	1,028,584	938,479
Bioenergy Technologies	18,413	31,463	6,225
Building Technologies	64,556	54,945	24,500
State Energy Program Grants	1,960	2,476	0
Weatherization Assistance Program	835	7,565	0
Weatherization and Intergovernmental Programs	2,795	10,041	0
Program Direction - Energy Efficiency and Renewable Energy	130,570	129,556	104,163
Advanced Manufacturing	157,630	34,204	8,270
Federal Energy Management Program	4,745	6,221	2,200
Vehicle Technologies	0	59,500	4,000
Strategic Programs	5,000	4,300	500
Geothermal Technologies	4,972	20,839	11,275

DEPARTMENT OF ENERGY

State Table

District of Columbia FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Solar Energy Technologies	42,073	69,954	14,040
Water Power Technologies	11,130	37,876	14,674
Wind Energy Technologies	18,912	16,329	2,670
Hydrogen and Fuel Cells Technologies	8,734	10,578	1,400
Energy Efficiency and Renewable Energy Programs	469,530	485,806	193,917
Transmission Reliability and Resilience	237	300	300
Resilient Distribution Systems	698	450	200
Energy Storage Research	361	300	300
Energy Storage	361	300	300
Transformer Resilience and Advanced Components	812	432	322
DCEI Energy Mission Assurance	0	0	825
Transmission Permitting and Technical Assistance	3,207	4,115	4,115
Program Direction - Electricity	14,038	14,328	15,839
Electricity Programs	19,353	19,925	21,901
Cybersecurity for Energy Delivery Systems	20,575	10,700	12,623
Infrastructure Security and Energy Restoration	8,060	11,500	13,566
Program Direction - CESER	8,516	8,698	10,261
Cybersecurity, Energy Security, and Emergency Response Programs	37,151	30,898	36,450
STEP Supercritical CO2	0	14,000	0
CCS and Power Systems	0	14,000	0
Carbon Capture Utilization and Storage	115,596	175,070	98,869
Advanced Energy Systems	95,881	101,407	217,620
Cross Cutting Research	7,400	37,302	49,673
Advanced Coal Energy Systems & CCUS	218,877	313,779	366,162
Program Direction - Fossil Energy	31,605	31,353	31,661
Special Recruitment Programs	700	700	900
Import Export Authorization	2,235	2,367	2,380
Unconventional Fossil Energy from Petroleum - Oil Technologies	858	858	317
Natural Gas Technologies Research	23,597	24,505	7,300
Program Direction - Naval Petroleum & Oil Shale Reserve	2,000	2,000	2,006
Strategic Petroleum Reserve Management	8,430	8,430	8,402
Northeast Home Heating Oil Reserves	962	962	0
Fossil Energy	289,264	398,954	419,128
Crosscutting Technology Development	20,932	7,650	15,325
Energy Innovation Hub for Modeling and Simulation	3,155	0	0
Nuclear Science User Facilities	1,715	2,027	1,900
NEAMS Joint Modeling and Simulation Program	8,577	0	0
Transformational Challenge Reactor	0	3,000	4,000
Joint Modeling and Simulation Program	0	9,170	1,766
Nuclear Energy Enabling Technologies	34,379	21,847	22,991
Light Water Reactor Sustainability	13,457	13,545	4,625
Advanced Reactor Technologies	19,150	3,000	6,000
Versatile Advanced Test Reactor	3,479	8,580	0
Advanced SMR R&D	18,792	11,305	1,000
Reactors Concepts RD&D	54,878	36,430	11,625
Other Project Costs	0	0	33,000
21-E-200, VTR Project	0	0	262,000
Versatile Test Reactor Project	0	0	295,000
National Reactor Innovation Center	0	500	250
Demonstration 1	0	500	0

DEPARTMENT OF ENERGY

State Table

District of Columbia FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Demonstration 2	0	500	0
Risk Reduction for Future Demonstration	0	500	0
Advanced Reactors Safeguards	0	1,000	500
Advanced Reactors Demonstration Program	0	3,000	750
Research Reactor Infrastructure	7	29	15
Oak Ridge Nuclear Infrastructure	15	43	0
Radiological Facilities Management	22	72	15
INL Operations and Infrastructure	595	1,036	500
Idaho Facilities Management	595	1,036	500
Safeguards and Security - Nuclear Energy	252	397	350
Idaho Site-wide Safeguards and Security	252	397	350
Program Direction - Nuclear Energy	43,571	42,145	39,015
Integrated University Program	0	16	0
International Nuclear Energy Cooperation	109	0	0
STEP R&D	240	240	0
Mining, Conversion, and Transportation	0	1,100	1,100
Fuel Cycle Research and Development Mining and Conversion FCRD	0	1,100	1,100
Materials Recovery and Waste Form Development (MRWFD)	0	7,115	2,846
Material recovery and waste form development	0	7,115	2,846
Accident Tolerant Fuels	0	19,805	7,458
Triso Fuel and Graphite Qualification	0	7,650	8,670
Total Advanced Fuels	0	27,455	16,128
Fuel Cycle Research and Development	15,754	0	0
Fuel Cycle Laboratory R&D	0	3,974	746
Used Nuclear Fuel Disposition R&D	0	9,000	9,000
Fuel Cycle Research and Development FCRD	15,754	48,644	29,820
Nuclear Energy Programs	149,800	153,827	400,066
Office Of The Secretary	5,395	5,119	5,582
Congressional and Intergovernmental Affairs	6,200	4,395	5,616
Office of the Chief Financial Officer	48,912	52,000	53,591
Economic Impact & Diversity	10,169	10,169	9,931
Office of International Affairs	0	26,825	0
Chief Information Officer	131,624	140,200	134,778
Other Departmental Administration	174,450	143,494	159,995
Strategic Partnership Projects	0	0	6,722
Departmental Administration Programs	376,750	382,202	376,215
Program Direction - Environment, Health, Safety and Security	69,000	71,000	75,140
Environment, Health, Safety & Security	117,320	120,320	118,029
Environment, Health, Safety, and Security	186,320	191,320	193,169
Program Direction - Office of Enterprise Assessments	52,702	54,711	54,635
Enterprise Assessments	23,918	23,918	26,799
Office of Enterprise Assessments	76,620	78,629	81,434
Specialized Security Activities	266,378	273,409	258,411
Legacy Management Activities - Defense	47,282	47,246	208,271
Legacy Management	47,282	47,246	208,271
Office of Hearings and Appeals	3,739	4,852	4,262
Other Defense Activities Programs	580,339	595,456	745,547
Indian Energy Policy & Programs	4,350	21,550	7,555
Indian Energy Policy and Programs (IEPP)	4,350	21,550	7,555
ARPA-E Projects	334,750	390,000	0

DEPARTMENT OF ENERGY

State Table

District of Columbia FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Program Direction - ARPA-E	31,250	35,000	21,256
Advanced Research Projects Agency - Energy Programs	366,000	425,000	21,256
Energy Information Administration (EIA)	125,000	126,800	128,710
Loan Guarantee Program	32,918	31,850	3,000
Title XVII Loan Guarantee Programs	32,918	31,850	3,000
Administrative Expenses - Tribal Energy Loan Guarantee Program	1,000	2,000	0
Tribal Energy Loan Guarantee Programs	1,000	2,000	0
Advanced Technology Vehicle Manufacturing Loan Program	4,700	5,000	0
Advanced Technology Vehicles Manufacturing Loan Programs	4,700	5,000	0
Program Direction - Defense Environmental Cleanup	83,726	74,347	74,042
Program Support - Defense Environmental Cleanup	12,979	12,979	12,979
Technology Development and Deployment	25,000	25,000	25,000
Defense Environmental Cleanup Programs	121,705	112,326	112,021
Management and Storage of Elemental Mercury	0	1,200	0
Non-Defense Environmental Cleanup Programs	0	1,200	0
Uranium Enrichment D&D Fund-U Th Reimbursements	11,000	5,250	21,284
Uranium Enrichment D&D Programs	11,000	5,250	21,284
Program Direction - Office of Inspector General	51,330	54,215	57,739
Inspector General Programs	51,330	54,215	57,739
Just and Reasonable Rates, Terms, and Conditions	171,318	176,468	182,261
Safe, Reliable, Secure, & Efficient Infrastructure	130,090	132,286	142,757
Mission Support through Organizational Excellence	68,492	73,246	79,332
Federal Energy Regulatory Commission Programs	369,900	382,000	404,350
Program Direction - AITO	0	0	4,912
Artificial Intelligence Technology Office Programs	0	0	4,912
International Affairs Program Direction	0	0	32,959
International Affairs Programs	0	0	32,959
Uranium Reserve Program	0	0	150,000
Uranium Reserve Programs	0	0	150,000
Interim Storage & Nuclear Waste Fund Oversight	0	0	15,000
Interim Storage Programs	0	0	15,000
Total District of Columbia	5,180,817	6,020,234	6,441,371

DEPARTMENT OF ENERGY

State Table

Florida FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Florida			
Research - Basic Energy Sciences	4,953	5,861	5,861
Basic Energy Sciences	4,953	5,861	5,861
Biological & Environmental Research	1,903	1,811	1,461
Research - High Energy Physics	4,178	4,118	2,100
High Energy Physics	4,178	4,118	2,100
Science Programs	11,034	11,790	9,422
State Energy Program Grants	1,781	2,059	0
Weatherization Assistance Program	2,613	3,058	0
Weatherization and Intergovernmental Programs	4,394	5,117	0
Energy Efficiency and Renewable Energy Programs	4,394	5,117	0
Legacy Management Activities - Defense	5,545	4,333	4,535
Legacy Management	5,545	4,333	4,535
Other Defense Activities Programs	5,545	4,333	4,535
Total Florida	20,973	21,240	13,957

DEPARTMENT OF ENERGY

State Table
 Georgia FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Georgia			
Research - Basic Energy Sciences	5,116	6,435	6,435
Basic Energy Sciences	5,116	6,435	6,435
Biological & Environmental Research	343	347	0
Science Programs	5,459	6,782	6,435
State Energy Program Grants	1,143	1,320	0
Weatherization Assistance Program	3,658	4,286	0
Weatherization and Intergovernmental Programs	4,801	5,606	0
Energy Efficiency and Renewable Energy Programs	4,801	5,606	0
Program Direction - Electricity	12	12	12
Electricity Programs	12	12	12
Purchase Power and Wheeling - SEPA	68,824	70,704	85,401
Program Direction - SEPA	6,500	6,597	11,246
Southeastern Power Administration Programs	75,324	77,301	96,647
Total Georgia	85,596	89,701	103,094

DEPARTMENT OF ENERGY

State Table

Guam FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Guam			
State Energy Program Grants	266	310	0
Weatherization Assistance Program	206	232	0
Weatherization and Intergovernmental Programs	472	542	0
Energy Efficiency and Renewable Energy Programs	472	542	0
Total Guam	472	542	0

DEPARTMENT OF ENERGY

State Table

Hawaii FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Hawaii			
Biological & Environmental Research	606	0	0
Research - High Energy Physics	240	1,261	750
High Energy Physics	240	1,261	750
Science Programs	846	1,261	750
State Energy Program Grants	367	425	0
Weatherization Assistance Program	249	282	0
Weatherization and Intergovernmental Programs	616	707	0
Energy Efficiency and Renewable Energy Programs	616	707	0
Total Hawaii	1,462	1,968	750

DEPARTMENT OF ENERGY

State Table
Idaho FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Idaho			
Stockpile Sustainment	200	200	200
Production Operations	0	75	0
Stockpile Management	200	275	200
Tritium and Domestic Uranium Enrichment	2,198	2,114	1,905
Production Modernization	2,198	2,114	1,905
Safety and Environmental Operations	0	1,476	400
Operating	0	1,476	400
Infrastructure and Operations	0	1,476	400
Weapons Activities Programs	2,398	3,865	2,505
International Nuclear Security	3,872	3,668	4,170
Domestic Radiological Security	10,194	12,333	8,474
International Radiological Security	836	418	389
Global Material Security	14,902	16,419	13,033
Conversion (formerly HEU Reactor Conversion)	0	42,600	45,600
Nuclear Material Removal	7,745	10,000	10,700
Material Management and Minimization	7,745	52,600	56,300
Nonproliferation & Arms Control	2,603	3,781	3,746
Proliferation Detection R&D	7,102	5,034	4,954
Nonproliferation Fuels Development	38,394	5,900	0
Nonproliferation Stewardship Program	0	0	3,780
Defense Nuclear Nonproliferation R&D	45,496	10,934	8,734
Counterterrorism and Counterproliferation	4,609	4,747	4,890
Nuclear Counterterrorism & Incident Response	4,609	4,747	4,890
Defense Nuclear Nonproliferation Programs	75,355	88,481	86,703
Naval Reactors Development	97,776	102,114	101,809
S8G Prototype Refueling	0	786	738
Naval Reactors Operations and Infrastructure	163,554	144,103	163,809
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	267,275	221,642	314,371
Construction - Naval Reactors	267,275	221,642	314,371
Naval Reactors Programs	528,605	468,645	580,727
Research - Advanced Scientific Computing Research	70	70	70
Advanced Scientific Computing Research	70	70	70
Research - Basic Energy Sciences	4,592	4,092	4,092
Basic Energy Sciences	4,592	4,092	4,092
Biological & Environmental Research	375	375	0
Research - Fusion Energy Sciences	5,510	2,500	2,500
Fusion Energy Sciences	5,510	2,500	2,500
Workforce Development for Teachers & Scientists	384	0	0
Science Programs	10,931	7,037	6,662
Bioenergy Technologies	16,627	16,371	3,950
State Energy Program Grants	411	480	0
Weatherization Assistance Program	2,219	2,596	0
Weatherization and Intergovernmental Programs	2,630	3,076	0
Federal Energy Management Program	457	181	150
Vehicle Technologies	10,500	9,800	4,900
Geothermal Technologies	2,175	25	25
Water Power Technologies	1,301	834	574
Wind Energy Technologies	159	1,166	484

DEPARTMENT OF ENERGY

State Table
Idaho FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Hydrogen and Fuel Cells Technologies	5,442	6,591	1,200
Energy Efficiency and Renewable Energy Programs	39,291	38,044	11,283
Transmission Reliability and Resilience	1,221	750	750
Resilient Distribution Systems	250	900	900
Energy Storage Research	38	0	0
Energy Storage	38	0	0
Transformer Resilience and Advanced Components	861	300	300
Program Direction - Electricity	7	0	0
Electricity Programs	2,376	1,950	1,950
Cybersecurity for Energy Delivery Systems	13,000	3,000	3,539
Infrastructure Security and Energy Restoration	250	7,000	8,258
Cybersecurity, Energy Security, and Emergency Response Programs	13,250	10,000	11,797
Carbon Capture Utilization and Storage	0	130	73
Advanced Energy Systems	0	434	931
Advanced Coal Energy Systems & CCUS	0	564	1,004
Fossil Energy	0	564	1,004
Crosscutting Technology Development	20,530	15,055	10,680
Energy Innovation Hub for Modeling and Simulation	3,208	0	0
Nuclear Science User Facilities	34,663	24,823	23,450
NEAMS Joint Modeling and Simulation Program	11,469	0	0
Transformational Challenge Reactor	0	950	950
Joint Modeling and Simulation Program	0	16,488	18,000
Nuclear Energy Enabling Technologies	69,870	57,316	53,080
Light Water Reactor Sustainability	25,496	25,485	20,000
Advanced Reactor Technologies	59,679	34,083	42,000
Versatile Advanced Test Reactor	60,113	44,120	0
Advanced SMR R&D	62,138	88,695	9,000
Reactors Concepts RD&D	207,426	192,383	71,000
National Reactor Innovation Center	0	19,500	9,750
Demonstration 1	0	79,500	0
Demonstration 2	0	79,500	0
Risk Reduction for Future Demonstration	0	29,500	0
Regulatory Development	0	6,625	3,300
Advanced Reactors Demonstration Program	0	214,625	13,050
Research Reactor Infrastructure	8,993	8,971	11,485
Radiological Facilities Management	8,993	8,971	11,485
INL Operations and Infrastructure	287,405	278,964	207,500
16-E-200 Sample Preparation Laboratory	30,000	25,450	18,000
Construction - Idaho Facilities Management	30,000	25,450	18,000
Idaho Facilities Management	317,405	304,414	225,500
Safeguards and Security - Nuclear Energy	145,838	153,011	137,450
Idaho Sitewide Safeguards and Security	145,838	153,011	137,450
Program Direction - Nuclear Energy	31,973	33,463	31,840
Integrated University Program	5,000	4,984	0
International Nuclear Energy Cooperation	2,382	0	0
Mining, Conversion, and Transportation	0	900	450
Fuel Cycle Research and Development Mining and Conversion FCRD	0	900	450
Materials Recovery and Waste Form Development (MRWFD)	0	20,072	8,029
Material recovery and waste form development	0	20,072	8,029
Accident Tolerant Fuels	0	66,873	26,542

DEPARTMENT OF ENERGY

State Table
Idaho FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Triso Fuel and Graphite Qualification	0	20,081	22,850
Total Advanced Fuels	0	86,954	49,392
Fuel Cycle Research and Development	124,575	0	0
Fuel Cycle Laboratory R&D	0	6,489	187
Used Nuclear Fuel Disposition R&D	0	7,000	7,000
Integrated Waste Management System	0	4,350	0
Fuel Cycle Research and Development FCRD	124,575	125,765	65,058
Nuclear Energy Programs	913,462	1,094,932	608,463
Other Departmental Administration	1,975	1,305	1,305
Strategic Partnership Projects	1,000	1,000	1,000
Departmental Administration Programs	2,975	2,305	2,305
Environment, Health, Safety & Security	550	550	550
Environment, Health, Safety, and Security	550	550	550
Other Defense Activities Programs	550	550	550
Idaho Cleanup and Waste Disposition	420,000	430,000	257,554
Idaho Excess Facilities D&D	10,000	0	0
Idaho Community and Regulatory Support	3,200	3,500	2,400
Idaho National Laboratory (INL)	433,200	433,500	259,954
Program Direction - Defense Environmental Cleanup	7,619	7,356	7,580
Defense Environmental Cleanup Programs	440,819	440,856	267,534
Small Sites - NDEC	10,000	12,800	11,000
Non-Defense Environmental Cleanup Programs	10,000	12,800	11,000
Interim Storage & Nuclear Waste Fund Oversight	0	0	10,000
Interim Storage Programs	0	0	10,000
Total Idaho	2,040,012	2,170,029	1,602,483

DEPARTMENT OF ENERGY

State Table
 Illinois FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Illinois			
Tritium and Domestic Uranium Enrichment	0	30	47
Production Modernization	0	30	47
Assessment Science	532	1,500	3,750
Advanced Simulation and Computing	2,000	2,000	0
Stockpile Research, Technology, and Engineering	2,532	3,500	3,750
Safety and Environmental Operations	0	0	30
Infrastructure and Safety	1,650	0	0
Recapitalization	1,650	0	0
Operating	1,650	0	30
Infrastructure and Operations	1,650	0	30
Weapons Activities Programs	4,182	3,530	3,827
Domestic Radiological Security	1,414	640	440
International Radiological Security	489	1,019	947
Nuclear Smuggling Detection and Deterrence	306	767	771
Global Material Security	2,209	2,426	2,158
Conversion (formerly HEU Reactor Conversion)	0	22,700	25,698
Nuclear Material Removal	1,711	1,500	1,800
Laboratory and Partnership Support	5,933	1,462	0
Material Management and Minimization	7,644	25,662	27,498
Nonproliferation & Arms Control	9,018	12,010	11,899
Proliferation Detection R&D	4,170	2,972	2,924
Nonproliferation Fuels Development	22,860	4,800	0
Defense Nuclear Nonproliferation R&D	27,030	7,772	2,924
Emergency Operations	220	225	230
Counterterrorism and Counterproliferation	3,105	3,261	3,358
Nuclear Counterterrorism & Incident Response	3,325	3,486	3,588
Defense Nuclear Nonproliferation Programs	49,226	51,356	48,067
Program Direction - National Nuclear Security Administration	945	428	428
Federal Salaries and Expenses Programs	945	428	428
Research - Advanced Scientific Computing Research	155,861	161,794	155,730
Advanced Scientific Computing Research	155,861	161,794	155,730
Research - Basic Energy Sciences	447,404	474,050	469,327
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	130,000	170,000	150,000
Construction - Basic Energy Sciences	130,000	170,000	150,000
Basic Energy Sciences	577,404	644,050	619,327
Biological & Environmental Research	62,006	101,841	49,176
Research - Fusion Energy Sciences	21,112	7,980	9,948
Fusion Energy Sciences	21,112	7,980	9,948
Research - High Energy Physics	383,263	340,525	283,334
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	20,000	60,000	20,000
11-SC-40, LBNF/DUNE, FNAL	127,000	168,058	83,500
11-SC-41, Muon to Electron Conversion Experiment, FNAL	30,000	0	0
Construction - High Energy Physics	177,000	228,058	103,500
High Energy Physics	560,263	568,583	386,834
Operations and Maintenance - Nuclear Physics	92,253	112,907	109,810
Nuclear Physics	92,253	112,907	109,810
Workforce Development for Teachers & Scientists	1,751	0	0
Facilities and Infrastructure (SLI)	23,393	10,800	0

DEPARTMENT OF ENERGY

State Table
 Illinois FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	0	500	2,000
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	0	500	2,000
19-SC-72, Electrical Capacity and Distribution Capability, ANL	30,000	30,000	0
17-SC-71, Integrated Engineering Research Center, FNAL	20,000	22,000	12,000
Construction - Science Laboratories Infrastructure	50,000	53,000	16,000
Science Laboratories Infrastructure	73,393	63,800	16,000
Safeguards and Security - SC	17,083	17,946	17,946
Program Direction - SC	31,542	30,115	30,216
Payment In Lieu of Taxes PILT	1,713	1,650	1,650
Science Programs	1,594,381	1,710,666	1,396,637
Bioenergy Technologies	10,218	10,218	2,500
Building Technologies	189	2,327	200
State Energy Program Grants	1,923	2,149	0
Weatherization Assistance Program	14,935	17,528	0
Weatherization and Intergovernmental Programs	16,858	19,677	0
Advanced Manufacturing	3,120	2,206	667
Vehicle Technologies	58,000	39,700	16,000
Strategic Programs	0	1,650	200
Geothermal Technologies	51	25	0
Solar Energy Technologies	2,637	874	1,469
Water Power Technologies	791	727	307
Wind Energy Technologies	1,052	1,646	649
Hydrogen and Fuel Cells Technologies	5,399	6,539	2,500
Energy Efficiency and Renewable Energy Programs	98,315	85,589	24,492
Transmission Reliability and Resilience	5,327	5,000	5,000
Resilient Distribution Systems	2,072	759	750
Energy Storage Research	525	0	0
Energy Storage	525	0	0
Transmission Permitting and Technical Assistance	0	125	125
Electricity Programs	7,924	5,884	5,875
Cybersecurity for Energy Delivery Systems	150	900	1,062
Infrastructure Security and Energy Restoration	1,865	5,000	5,898
Cybersecurity, Energy Security, and Emergency Response Programs	2,015	5,900	6,960
Cross Cutting Research	0	30	40
Advanced Coal Energy Systems & CCUS	0	30	40
Unconventional Fossil Energy from Petroleum - Oil Technologies	150	150	55
Fossil Energy	150	180	95
Crosscutting Technology Development	1,610	330	30
Nuclear Science User Facilities	452	1,050	750
NEAMS Joint Modeling and Simulation Program	5,884	0	0
Transformational Challenge Reactor	0	2,500	2,500
Joint Modeling and Simulation Program	0	5,234	5,234
Nuclear Energy Enabling Technologies	7,946	9,114	8,514
Light Water Reactor Sustainability	150	50	50
Advanced Reactor Technologies	9,600	8,374	11,000
Versatile Advanced Test Reactor	958	7,000	0
Advanced SMR R&D	1,343	0	0
Reactors Concepts RD&D	12,051	15,424	11,050
Regulatory Development	0	5,200	2,600
Advanced Reactors Demonstration Program	0	5,200	2,600

DEPARTMENT OF ENERGY

State Table
 Illinois FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Program Direction - Nuclear Energy	125	290	185
International Nuclear Energy Cooperation	90	0	0
Materials Recovery and Waste Form Development (MRWFD)	0	703	281
Material recovery and waste form development	0	703	281
Triso Fuel and Graphite Qualification	0	500	600
Total Advanced Fuels	0	500	600
Fuel Cycle Research and Development	8,819	0	0
Fuel Cycle Laboratory R&D	0	2,711	100
Used Nuclear Fuel Disposition R&D	0	2,000	2,000
Integrated Waste Management System	0	2,000	0
Fuel Cycle Research and Development FCRD	8,819	7,914	2,981
Nuclear Energy Programs	29,031	37,942	25,330
Other Departmental Administration	460	110	110
Strategic Partnership Projects	200	750	100
Departmental Administration Programs	660	860	210
Environment, Health, Safety & Security	995	995	995
Environment, Health, Safety, and Security	995	995	995
Other Defense Activities Programs	995	995	995
Total Illinois	1,787,824	1,903,330	1,512,916

DEPARTMENT OF ENERGY

State Table
 Indiana FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Indiana			
Research - Basic Energy Sciences	436	4,000	4,000
Basic Energy Sciences	436	4,000	4,000
Biological & Environmental Research	5,024	2,298	882
Research - High Energy Physics	2,880	890	1,080
High Energy Physics	2,880	890	1,080
Operations and Maintenance - Nuclear Physics	925	0	0
Nuclear Physics	925	0	0
Science Programs	9,265	7,188	5,962
State Energy Program Grants	1,157	1,303	0
Weatherization Assistance Program	7,490	8,786	0
Weatherization and Intergovernmental Programs	8,647	10,089	0
Energy Efficiency and Renewable Energy Programs	8,647	10,089	0
Total Indiana	17,912	17,277	5,962

DEPARTMENT OF ENERGY

State Table
Iowa FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Iowa			
Research - Advanced Scientific Computing Research	10,000	10,000	10,000
Advanced Scientific Computing Research	10,000	10,000	10,000
Research - Basic Energy Sciences	17,620	17,578	17,578
Basic Energy Sciences	17,620	17,578	17,578
Biological & Environmental Research	1,250	1,250	0
Research - High Energy Physics	1,166	0	340
High Energy Physics	1,166	0	340
Operations and Maintenance - Nuclear Physics	635	0	0
Nuclear Physics	635	0	0
Workforce Development for Teachers & Scientists	538	0	0
21-SC-78, Ames Infrastructure Modernization	0	0	2,000
Construction - Science Laboratories Infrastructure	0	0	2,000
Science Laboratories Infrastructure	0	0	2,000
Safeguards and Security - SC	1,231	1,231	1,231
Program Direction - SC	658	678	690
Science Programs	33,098	30,737	31,839
State Energy Program Grants	711	815	0
Weatherization Assistance Program	5,395	6,325	0
Weatherization and Intergovernmental Programs	6,106	7,140	0
Advanced Manufacturing	25,000	25,000	0
Vehicle Technologies	650	300	0
Hydrogen and Fuel Cells Technologies	686	830	0
Energy Efficiency and Renewable Energy Programs	32,442	33,270	0
Transmission Reliability and Resilience	341	0	0
Resilient Distribution Systems	75	0	0
Transformer Resilience and Advanced Components	450	0	0
Electricity Programs	866	0	0
Advanced Energy Systems	500	835	1,792
Cross Cutting Research	300	0	0
Advanced Coal Energy Systems & CCUS	800	835	1,792
Fossil Energy	800	835	1,792
Other Departmental Administration	292	0	0
Departmental Administration Programs	292	0	0
Total Iowa	67,498	64,842	33,631

DEPARTMENT OF ENERGY

State Table
 Kansas FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Kansas			
Research - Basic Energy Sciences	1,097	3,747	3,747
Basic Energy Sciences	1,097	3,747	3,747
Research - High Energy Physics	930	75	440
High Energy Physics	930	75	440
Science Programs	2,027	3,822	4,187
State Energy Program Grants	626	712	0
Weatherization Assistance Program	2,793	3,270	0
Weatherization and Intergovernmental Programs	3,419	3,982	0
Energy Efficiency and Renewable Energy Programs	3,419	3,982	0
Total Kansas	5,446	7,804	4,187

DEPARTMENT OF ENERGY

State Table

Kentucky FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Kentucky			
State Energy Program Grants	796	905	0
Weatherization Assistance Program	5,055	5,926	0
Weatherization and Intergovernmental Programs	5,851	6,831	0
Energy Efficiency and Renewable Energy Programs	5,851	6,831	0
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	16,161	12,398	15,044
Safeguards and Security - Defense Environmental Cleanup	15,577	15,789	16,206
Defense Environmental Cleanup Programs	31,738	28,187	31,250
Gaseous Diffusion Plants	50,345	56,456	57,580
Non-Defense Environmental Cleanup Programs	50,345	56,456	57,580
Paducah Gaseous Diffusion Plant (D&D Fund)	206,000	240,000	206,518
Pension and Community and Regulatory Support	2,102	2,094	2,099
Uranium Enrichment D&D Programs	208,102	242,094	208,617
Total Kentucky	296,236	333,768	297,647

DEPARTMENT OF ENERGY

State Table

Louisiana FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Louisiana			
Research - Basic Energy Sciences	380	380	380
Basic Energy Sciences	380	380	380
Science Programs	380	380	380
State Energy Program Grants	1,036	1,238	0
Weatherization Assistance Program	1,638	1,914	0
Weatherization and Intergovernmental Programs	2,674	3,152	0
Energy Efficiency and Renewable Energy Programs	2,674	3,152	0
Program Direction - Naval Petroleum & Oil Shale Reserve	10,000	10,000	0
Storage Facilities Development	179,379	168,434	157,948
Fossil Energy	189,379	178,434	157,948
Total Louisiana	192,433	181,966	158,328

DEPARTMENT OF ENERGY

State Table
Maine FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Maine			
State Energy Program Grants	435	496	0
Weatherization Assistance Program	3,417	4,003	0
Weatherization and Intergovernmental Programs	3,852	4,499	0
Energy Efficiency and Renewable Energy Programs	3,852	4,499	0
Total Maine	3,852	4,499	0

DEPARTMENT OF ENERGY

State Table
 Maryland FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Maryland			
Research - Advanced Scientific Computing Research	868	2,013	918
Advanced Scientific Computing Research	868	2,013	918
Research - Basic Energy Sciences	3,150	4,383	4,383
Basic Energy Sciences	3,150	4,383	4,383
Biological & Environmental Research	3,192	2,322	2,228
Research - Fusion Energy Sciences	515	0	0
Fusion Energy Sciences	515	0	0
Research - High Energy Physics	1,151	1,224	720
High Energy Physics	1,151	1,224	720
Operations and Maintenance - Nuclear Physics	1,057	0	0
Nuclear Physics	1,057	0	0
Science Programs	9,933	9,942	8,249
State Energy Program Grants	879	991	0
Weatherization Assistance Program	3,087	3,615	0
Weatherization and Intergovernmental Programs	3,966	4,606	0
Energy Efficiency and Renewable Energy Programs	3,966	4,606	0
Energy Storage Research	2	0	0
Energy Storage	2	0	0
Transformer Resilience and Advanced Components	788	0	0
Program Direction - Electricity	5	5	5
Electricity Programs	795	5	5
Total Maryland	14,694	14,553	8,254

DEPARTMENT OF ENERGY
State Table
Massachusetts FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Massachusetts			
Research - Advanced Scientific Computing Research	170	169	181
Advanced Scientific Computing Research	170	169	181
Research - Basic Energy Sciences	11,834	11,859	11,859
Basic Energy Sciences	11,834	11,859	11,859
Biological & Environmental Research	5,900	3,700	3,700
Research - Fusion Energy Sciences	11,462	9,627	8,682
Fusion Energy Sciences	11,462	9,627	8,682
Research - High Energy Physics	11,144	10,672	7,345
High Energy Physics	11,144	10,672	7,345
Operations and Maintenance - Nuclear Physics	4,016	0	0
Nuclear Physics	4,016	0	0
Science Programs	44,526	36,027	31,767
State Energy Program Grants	1,035	1,159	0
Weatherization Assistance Program	7,250	8,504	0
Weatherization and Intergovernmental Programs	8,285	9,663	0
Energy Efficiency and Renewable Energy Programs	8,285	9,663	0
Program Direction - Electricity	2	2	2
Electricity Programs	2	2	2
Total Massachusetts	52,813	45,692	31,769

DEPARTMENT OF ENERGY

State Table
Michigan FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Michigan			
Research - Advanced Scientific Computing Research	274	295	277
Advanced Scientific Computing Research	274	295	277
Research - Basic Energy Sciences	6,300	1,200	1,200
Basic Energy Sciences	6,300	1,200	1,200
Biological & Environmental Research	4,569	3,123	2,063
Research - High Energy Physics	3,612	4,244	1,555
High Energy Physics	3,612	4,244	1,555
Operations and Maintenance - Nuclear Physics	2,218	28,500	25,620
14-SC-50, Facility for Rare Isotope Beams, MSU	75,000	40,000	5,300
Construction - Nuclear Physics	75,000	40,000	5,300
Nuclear Physics	77,218	68,500	30,920
Science Programs	91,973	77,362	36,015
State Energy Program Grants	1,580	1,763	0
Weatherization Assistance Program	17,257	20,255	0
Weatherization and Intergovernmental Programs	18,837	22,018	0
Energy Efficiency and Renewable Energy Programs	18,837	22,018	0
Program Direction - Electricity	1	1	1
Electricity Programs	1	1	1
Total Michigan	110,811	99,381	36,016

DEPARTMENT OF ENERGY

State Table

Minnesota FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Minnesota			
Research - Basic Energy Sciences	6,195	6,315	6,315
Basic Energy Sciences	6,195	6,315	6,315
Biological & Environmental Research	1,540	1,540	0
Research - High Energy Physics	2,320	915	1,070
High Energy Physics	2,320	915	1,070
Operations and Maintenance - Nuclear Physics	410	0	0
Nuclear Physics	410	0	0
Science Programs	10,465	8,770	7,385
State Energy Program Grants	1,001	1,127	0
Weatherization Assistance Program	10,807	12,681	0
Weatherization and Intergovernmental Programs	11,808	13,808	0
Energy Efficiency and Renewable Energy Programs	11,808	13,808	0
Resilient Distribution Systems	25	0	0
Electricity Programs	25	0	0
Total Minnesota	22,298	22,578	7,385

DEPARTMENT OF ENERGY

State Table

Mississippi FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Mississippi			
Biological & Environmental Research	320	320	320
Science Programs	320	320	320
State Energy Program Grants	586	679	0
Weatherization Assistance Program	1,789	2,091	0
Weatherization and Intergovernmental Programs	2,375	2,770	0
Energy Efficiency and Renewable Energy Programs	2,375	2,770	0
Total Mississippi	2,695	3,090	320

DEPARTMENT OF ENERGY

State Table
 Missouri FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Missouri			
B61 Life Extension Program	180,900	252,228	276,000
W88 Alteration Program	111,375	150,357	115,809
W80-4 Life Extension Program	47,800	124,455	150,343
W87-1 Modification Program	2,000	3,000	35,000
W93	0	0	2,000
Stockpile Major Modernization	342,075	530,040	579,152
Stockpile Sustainment	121,657	112,008	129,386
Weapons Dismantlement and Disposition	500	630	500
Production Operations	67,550	85,487	92,340
Stockpile Management	531,782	728,165	801,378
Plutonium Modernization	3,356	7,446	7,993
Primary Capability Modernization	3,356	7,446	7,993
Non-Nuclear Capability Modernization	2,569	3,894	30,000
Production Modernization	5,925	11,340	37,993
Engineering and Integrated Assessments	2,161	4,375	5,026
Advanced Simulation and Computing	1,250	2,500	0
Weapons Technology and Manufacturing Maturation	16,020	16,288	25,000
Stockpile Research, Technology, and Engineering	19,431	23,163	30,026
Operations of Facilities	82,000	78,000	110,000
Safety and Environmental Operations	600	100	7,391
Maintenance and Repair of Facilities	29,000	24,000	34,000
Infrastructure and Safety	11,635	28,700	49,168
Capabilities Based Investments	2,931	18,046	13,000
Recapitalization	14,566	46,746	62,168
Operating	126,166	148,846	213,559
Infrastructure and Operations	126,166	148,846	213,559
STA Operations and Equipment	20,277	25,894	30,286
Secure Transportation Asset	20,277	25,894	30,286
Defense Nuclear Security (DNS)	12,692	12,946	13,973
Defense Nuclear Security	12,692	12,946	13,973
Information Technology and Cyber Security	7,347	7,347	7,347
Weapons Activities Programs	723,620	957,701	1,134,562
Material Disposition	2,550	775	100
Material Management and Minimization	2,550	775	100
Nonproliferation & Arms Control	2,354	2,686	2,661
Proliferation Detection R&D	275	0	0
Defense Nuclear Nonproliferation R&D	275	0	0
Counterterrorism and Counterproliferation	25,274	52,032	62,093
Nuclear Counterterrorism & Incident Response	25,274	52,032	62,093
Defense Nuclear Nonproliferation Programs	30,453	55,493	64,854
Program Direction - National Nuclear Security Administration	7,472	7,457	7,503
Federal Salaries and Expenses Programs	7,472	7,457	7,503
Research - Basic Energy Sciences	288	620	620
Basic Energy Sciences	288	620	620
Science Programs	288	620	620
State Energy Program Grants	950	1,073	0
Weatherization Assistance Program	6,641	7,789	0
Weatherization and Intergovernmental Programs	7,591	8,862	0

DEPARTMENT OF ENERGY

State Table

Missouri FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Energy Efficiency and Renewable Energy Programs	7,591	8,862	0
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Legacy Management Activities - Defense	2,996	3,193	4,092
Legacy Management	2,996	3,193	4,092
Other Defense Activities Programs	3,006	3,203	4,102
Total Missouri	772,430	1,033,336	1,211,641

DEPARTMENT OF ENERGY

State Table

Montana FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Montana			
Biological & Environmental Research	5,959	5,160	3,751
Science Programs	5,959	5,160	3,751
State Energy Program Grants	378	439	0
Weatherization Assistance Program	2,757	3,228	0
Weatherization and Intergovernmental Programs	3,135	3,667	0
Energy Efficiency and Renewable Energy Programs	3,135	3,667	0
Indian Energy Policy & Programs	2,339	0	0
Indian Energy Policy and Programs (IEPP)	2,339	0	0
Total Montana	11,433	8,827	3,751

DEPARTMENT OF ENERGY

State Table

Nebraska FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Nebraska			
Biological & Environmental Research	3,635	900	876
Science Programs	3,635	900	876
State Energy Program Grants	501	578	0
Weatherization Assistance Program	2,756	3,226	0
Weatherization and Intergovernmental Programs	3,257	3,804	0
Energy Efficiency and Renewable Energy Programs	3,257	3,804	0
Total Nebraska	6,892	4,704	876

DEPARTMENT OF ENERGY

State Table
 Nevada FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Nevada			
B61 Life Extension Program	0	500	0
Stockpile Major Modernization	0	500	0
Stockpile Sustainment	688	300	1,652
Stockpile Management	688	800	1,652
Plutonium Modernization	5,082	8,858	13,600
High Explosives & Energetics	337	2,242	900
Primary Capability Modernization	5,419	11,100	14,500
Tritium and Domestic Uranium Enrichment	78	75	153
Production Modernization	5,497	11,175	14,653
Assessment Science	53,099	88,225	99,438
Engineering and Integrated Assessments	15,780	13,761	7,600
Inertial Confinement Fusion	0	0	7,800
Weapons Technology and Manufacturing Maturation	675	0	0
Stockpile Research, Technology, and Engineering	69,554	101,986	114,838
Operations of Facilities	95,000	102,000	105,000
Safety and Environmental Operations	6,107	4,535	4,513
Maintenance and Repair of Facilities	34,000	38,000	65,000
Infrastructure and Safety	35,400	42,626	45,790
Capabilities Based Investments	7,700	7,960	10,720
Recapitalization	43,100	50,586	56,510
Operating	178,207	195,121	231,023
17-D-640, U1a Complex Enhancements Project, NNSS	20,000	35,000	160,600
Programmatic	20,000	35,000	160,600
19-D-670, 138kV Power Transmission System Replacement, NNSS	0	6,000	59,000
Mission Enabling	0	6,000	59,000
I&O - Construction	20,000	41,000	219,600
Infrastructure and Operations	198,207	236,121	450,623
Defense Nuclear Security (DNS)	80,559	80,527	84,537
Defense Nuclear Security	80,559	80,527	84,537
Information Technology and Cyber Security	6,701	6,701	6,701
Weapons Activities Programs	361,206	437,310	673,004
International Radiological Security	1,910	611	568
Global Material Security	1,910	611	568
Nonproliferation & Arms Control	359	12	12
National Technical Nuclear Forensics R&D	0	0	1,981
Proliferation Detection R&D	21,231	21,801	10,306
Nuclear Detonation Detection	620	593	11,327
Nonproliferation Stewardship Program	0	15,900	15,000
Defense Nuclear Nonproliferation R&D	21,851	38,294	36,633
Emergency Operations	19,631	21,450	21,609
Counterterrorism and Counterproliferation	36,542	37,638	39,144
Nuclear Counterterrorism & Incident Response	56,173	59,088	60,753
Defense Nuclear Nonproliferation Programs	80,293	98,005	99,947
Program Direction - National Nuclear Security Administration	15,345	17,008	17,222
Federal Salaries and Expenses Programs	15,345	17,008	17,222
Biological & Environmental Research	0	12	0
Science Programs	0	12	0
State Energy Program Grants	458	538	0

DEPARTMENT OF ENERGY

State Table
 Nevada FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Weatherization Assistance Program	1,158	1,350	0
Weatherization and Intergovernmental Programs	1,616	1,888	0
Energy Efficiency and Renewable Energy Programs	1,616	1,888	0
Transmission Reliability and Resilience	597	0	0
Electricity Programs	597	0	0
Program Direction - Nuclear Energy	2,116	1,731	1,914
Nuclear Energy Programs	2,116	1,731	1,914
Other Departmental Administration	0	25	25
Departmental Administration Programs	0	25	25
Environment, Health, Safety & Security	15	15	15
Environment, Health, Safety, and Security	15	15	15
Other Defense Activities Programs	15	15	15
Indian Energy Policy & Programs	2,000	0	0
Indian Energy Policy and Programs (IEPP)	2,000	0	0
Nevada Test Site	60,136	60,737	60,737
NNSA Sites and Nevada Off-Sites	60,136	60,737	60,737
Program Direction - Defense Environmental Cleanup	3,881	2,818	2,814
Defense Environmental Cleanup Programs	64,017	63,555	63,551
Interim Storage & Nuclear Waste Fund Oversight	0	0	2,500
Interim Storage Programs	0	0	2,500
Total Nevada	527,205	619,549	858,178

DEPARTMENT OF ENERGY
State Table
 New Hampshire FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
New Hampshire			
Biological & Environmental Research	960	960	0
Research - High Energy Physics	0	93	0
High Energy Physics	0	93	0
Operations and Maintenance - Nuclear Physics	638	0	0
Nuclear Physics	638	0	0
Science Programs	1,598	1,053	0
State Energy Program Grants	413	473	0
Weatherization Assistance Program	1,719	2,009	0
Weatherization and Intergovernmental Programs	2,132	2,482	0
Energy Efficiency and Renewable Energy Programs	2,132	2,482	0
Total New Hampshire	3,730	3,535	0

DEPARTMENT OF ENERGY

State Table
 New Jersey FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
New Jersey			
Assessment Science	0	10	0
Stockpile Research, Technology, and Engineering	0	10	0
Weapons Activities Programs	0	10	0
Proliferation Detection R&D	170	300	295
Defense Nuclear Nonproliferation R&D	170	300	295
Defense Nuclear Nonproliferation Programs	170	300	295
Research - Advanced Scientific Computing Research	385	335	335
Advanced Scientific Computing Research	385	335	335
Research - Basic Energy Sciences	3,996	5,195	5,195
Basic Energy Sciences	3,996	5,195	5,195
Biological & Environmental Research	2,071	2,075	1,597
Research - Fusion Energy Sciences	107,770	83,968	75,106
Fusion Energy Sciences	107,770	83,968	75,106
Research - High Energy Physics	2,928	2,659	1,840
High Energy Physics	2,928	2,659	1,840
Workforce Development for Teachers & Scientists	512	0	0
21-SC-75, Princeton Plasma Innovation Center, PPPL	0	0	2,000
21-SC-76, Critical Infrastructure Recovery & Renewal, PPPL	0	0	2,000
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	0	13,000	19,400
Construction - Science Laboratories Infrastructure	0	13,000	23,400
Science Laboratories Infrastructure	0	13,000	23,400
Safeguards and Security - SC	3,354	3,358	3,358
Program Direction - SC	1,862	1,910	1,950
Science Programs	122,878	112,500	112,781
State Energy Program Grants	1,320	1,471	0
Weatherization Assistance Program	5,879	6,894	0
Weatherization and Intergovernmental Programs	7,199	8,365	0
Energy Efficiency and Renewable Energy Programs	7,199	8,365	0
Transmission Reliability and Resilience	35	0	0
Electricity Programs	35	0	0
Other Departmental Administration	70	0	0
Departmental Administration Programs	70	0	0
Total New Jersey	130,352	121,175	113,076

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
New Mexico			
B61 Life Extension Program	437,013	410,675	379,365
W76 Life Extension Program	40,267	0	0
W76-2 Modification Program	4,908	3,866	0
W88 Alteration Program	135,874	105,266	80,406
W80-4 Life Extension Program	385,903	489,557	527,940
W87-1 Modification Program	30,536	56,700	190,500
W93	0	0	44,410
Stockpile Major Modernization	1,034,501	1,066,064	1,222,621
Stockpile Sustainment	489,673	518,350	530,537
Weapons Dismantlement and Disposition	17,000	12,313	4,000
Production Operations	173,916	187,285	199,883
Stockpile Management	1,715,090	1,784,012	1,957,041
Los Alamos Plutonium Operations	271,564	286,975	610,599
21-D-512, Plutonium Pit Production Project, LANL	5,000	21,156	226,000
Los Alamos Plutonium Modernization	276,564	308,131	836,599
Plutonium Modernization	284,068	315,368	836,963
High Explosives & Energetics	0	411	19,700
Primary Capability Modernization	284,068	315,779	856,663
Secondary Capability Modernization	14,821	8,148	2,672
Tritium and Domestic Uranium Enrichment	116,670	165,678	148,777
Non-Nuclear Capability Modernization	4,709	7,138	55,000
Production Modernization	420,268	496,743	1,063,112
Assessment Science	276,061	335,014	422,118
Engineering and Integrated Assessments	170,424	216,332	215,583
Inertial Confinement Fusion	98,571	130,301	85,644
Advanced Simulation and Computing	349,816	404,136	335,364
Weapons Technology and Manufacturing Maturation	127,869	136,569	200,546
Academic Programs	70,856	84,492	85,912
Stockpile Research, Technology, and Engineering	1,093,597	1,306,844	1,345,167
Operations of Facilities	346,000	361,000	436,000
Safety and Environmental Operations	24,835	25,948	26,302
Maintenance and Repair of Facilities	108,000	101,000	199,000
Infrastructure and Safety	139,009	116,582	131,547
Capabilities Based Investments	34,631	23,174	31,920
Recapitalization	173,640	139,756	163,467
Operating	652,475	627,704	824,769
18-D-670, Exascale Class Computer Cooling Equipment, LANL	24,000	0	0
15-D-302, TA-55 Reinvestment Project - Phase 3, LANL	0	0	30,000
07-D-220-04, Transuranic Liquid Waste Facility, LANL	0	0	36,687
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	237,019	168,444	169,427
Chemistry and Metallurgy Research Replacement (CMRR)	237,019	168,444	169,427
Programmatic	261,019	168,444	236,114
16-D-515, Albuquerque Complex Project	47,953	0	0
15-D-611, Emergency Operations Center, SNL	0	4,000	36,000
Mission Enabling	47,953	4,000	36,000
I&O - Construction	308,972	172,444	272,114
Infrastructure and Operations	961,447	800,148	1,096,883
STA Operations and Equipment	149,018	151,675	228,174

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Secure Transportation Asset	149,018	151,675	228,174
Defense Nuclear Security (DNS)	185,932	187,285	205,642
Defense Nuclear Security	185,932	187,285	205,642
Information Technology and Cyber Security	42,699	44,699	44,699
Weapons Activities Programs	4,568,051	4,771,406	5,940,718
International Nuclear Security	20,984	19,321	22,059
Domestic Radiological Security	60,026	59,516	40,891
International Radiological Security	22,733	21,337	19,832
Nuclear Smuggling Detection and Deterrence	79,665	92,731	93,168
Global Material Security	183,408	192,905	175,950
Conversion (formerly HEU Reactor Conversion)	0	800	3,020
Nuclear Material Removal	2,520	1,050	3,250
Material Disposition	60,537	62,840	83,882
Laboratory and Partnership Support	21,995	1,185	0
Material Management and Minimization	85,052	65,875	90,152
Nonproliferation & Arms Control	28,042	29,577	29,304
National Technical Nuclear Forensics R&D	0	0	15,311
Proliferation Detection R&D	111,317	124,063	96,391
Nuclear Detonation Detection	177,934	163,507	182,274
Nonproliferation Fuels Development	1,590	0	0
Nonproliferation Stewardship Program	0	4,350	26,780
Defense Nuclear Nonproliferation R&D	290,841	291,920	305,445
99-D-143, Mixed Oxide Fuel Fabrication Facility, SRS	8,383	30,000	0
18-D-150, Surplus Plutonium Disposition Project, SRS	0	500	500
Nonproliferation Construction	8,383	30,500	500
Counterterrorism and Counterproliferation	86,570	97,167	102,566
Nuclear Counterterrorism & Incident Response	86,570	97,167	102,566
Defense Nuclear Nonproliferation Programs	682,296	707,944	719,228
Program Direction - National Nuclear Security Administration	38,526	41,936	41,170
Federal Salaries and Expenses Programs	38,526	41,936	41,170
Research - Advanced Scientific Computing Research	20,957	17,850	14,526
Advanced Scientific Computing Research	20,957	17,850	14,526
Research - Basic Energy Sciences	51,556	54,547	52,938
Basic Energy Sciences	51,556	54,547	52,938
Biological & Environmental Research	43,558	40,826	26,960
Research - Fusion Energy Sciences	4,352	5,579	5,024
Fusion Energy Sciences	4,352	5,579	5,024
Research - High Energy Physics	2,740	2,040	1,195
High Energy Physics	2,740	2,040	1,195
Operations and Maintenance - Nuclear Physics	9,360	8,314	8,821
Nuclear Physics	9,360	8,314	8,821
Workforce Development for Teachers & Scientists	662	0	0
Science Programs	133,185	129,156	109,464
Bioenergy Technologies	15,035	14,535	3,925
Building Technologies	0	1,100	0
State Energy Program Grants	464	538	0
Weatherization Assistance Program	2,156	2,522	0
Weatherization and Intergovernmental Programs	2,620	3,060	0
Vehicle Technologies	13,350	13,600	4,000
Strategic Programs	750	300	0

DEPARTMENT OF ENERGY

State Table
New Mexico FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Geothermal Technologies	7,156	3,006	800
Solar Energy Technologies	10,918	6,179	6,797
Water Power Technologies	7,608	7,779	2,310
Wind Energy Technologies	7,466	9,122	3,647
Hydrogen and Fuel Cells Technologies	13,283	16,089	4,500
Energy Efficiency and Renewable Energy Programs	78,186	74,770	25,979
Transmission Reliability and Resilience	7,512	4,500	4,500
Resilient Distribution Systems	5,292	3,373	3,300
Energy Storage Research	20,156	20,500	21,000
Energy Storage	20,156	20,500	21,000
Transformer Resilience and Advanced Components	525	525	550
Transmission Permitting and Technical Assistance	388	100	100
Electricity Programs	33,872	28,998	29,450
Cybersecurity for Energy Delivery Systems	2,600	1,800	2,123
Infrastructure Security and Energy Restoration	1,625	13,650	16,103
Cybersecurity, Energy Security, and Emergency Response Programs	4,225	15,450	18,226
Carbon Capture Utilization and Storage	3,645	4,286	2,421
Advanced Energy Systems	250	0	0
Cross Cutting Research	2,495	0	0
Advanced Coal Energy Systems & CCUS	6,390	4,286	2,421
Unconventional Fossil Energy from Petroleum - Oil Technologies	3,079	3,079	1,138
Natural Gas Technologies Research	1,666	1,396	469
Strategic Petroleum Reserve Management	3,652	3,294	3,822
Fossil Energy	14,787	12,055	7,850
Crosscutting Technology Development	2,868	1,875	1,875
Energy Innovation Hub for Modeling and Simulation	1,593	0	0
Nuclear Science User Facilities	0	100	100
NEAMS Joint Modeling and Simulation Program	2,953	0	0
Joint Modeling and Simulation Program	0	2,728	2,700
Nuclear Energy Enabling Technologies	7,414	4,703	4,675
Light Water Reactor Sustainability	1,285	1,285	825
Advanced Reactor Technologies	5,037	4,820	6,200
Versatile Advanced Test Reactor	260	2,000	0
Reactors Concepts RD&D	6,582	8,105	7,025
Advanced Reactors Safeguards	0	4,000	2,000
Advanced Reactors Demonstration Program	0	4,000	2,000
Program Direction - Nuclear Energy	0	15	0
International Nuclear Energy Cooperation	15	0	0
STEP R&D	4,760	4,760	0
Accident Tolerant Fuels	0	3,582	1,000
Total Advanced Fuels	0	3,582	1,000
Fuel Cycle Research and Development	34,825	0	0
Fuel Cycle Laboratory R&D	0	3,624	1,500
Used Nuclear Fuel Disposition R&D	0	22,500	22,000
Integrated Waste Management System	0	4,750	0
Fuel Cycle Research and Development FCRD	34,825	34,456	24,500
Nuclear Energy Programs	53,596	56,039	38,200
Other Departmental Administration	617	230	230
Strategic Partnership Projects	8,500	7,078	8,918
Departmental Administration Programs	9,117	7,308	9,148

DEPARTMENT OF ENERGY

State Table

New Mexico FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
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
Sandia National Laboratory (SNL)	2,600	2,652	4,860
Los Alamos National Laboratory (LANL)	220,000	220,000	120,000
NNSA Sites and Nevada Off-Sites	222,600	222,652	124,860
Waste Isolation Pilot Plant (WIPP)	311,695	294,353	323,260
21-D-401 Hoisting Capability Project	0	0	10,000
15-D-411 Safety Significant Confinement Ventilation System, WIPP	84,212	58,054	0
15-D-412 Exhaust Shaft, WIPP	1,000	44,500	50,000
Total Waste Isolation Pilot Plant	396,907	396,907	383,260
Program Direction - Defense Environmental Cleanup	17,111	17,126	16,786
Safeguards and Security - Defense Environmental Cleanup	6,580	6,692	6,806
Defense Environmental Cleanup Programs	643,198	643,377	531,712
Total New Mexico	6,261,494	6,490,894	7,473,600

DEPARTMENT OF ENERGY

State Table
New York FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
New York			
Inertial Confinement Fusion	80,000	76,480	75,000
Stockpile Research, Technology, and Engineering	80,000	76,480	75,000
Safety and Environmental Operations	325	427	881
Operating	325	427	881
Infrastructure and Operations	325	427	881
Weapons Activities Programs	80,325	76,907	75,881
International Nuclear Security	0	170	195
Domestic Radiological Security	280	0	0
International Radiological Security	75	100	93
Nuclear Smuggling Detection and Deterrence	300	1,232	1,238
Global Material Security	655	1,502	1,526
Conversion (formerly HEU Reactor Conversion)	0	254	275
Material Management and Minimization	0	254	275
Nonproliferation & Arms Control	4,681	2,920	2,893
Proliferation Detection R&D	1,120	3,680	3,621
Nonproliferation Fuels Development	429	0	0
Defense Nuclear Nonproliferation R&D	1,549	3,680	3,621
Counterterrorism and Counterproliferation	2,519	2,595	2,672
Nuclear Counterterrorism & Incident Response	2,519	2,595	2,672
Defense Nuclear Nonproliferation Programs	9,404	10,951	10,987
Naval Reactors Development	203,163	181,043	222,505
Columbia-Class Reactor Systems Development	71,986	51,619	49,672
S8G Prototype Refueling	230,576	165,969	131,374
Naval Reactors Operations and Infrastructure	245,320	282,538	250,125
21-D-530 KL Steam and Condensate Upgrades	0	0	4,000
20-D-931, KL Fuel Development Laboratory	0	23,700	0
19-D-930 KS Overhead Piping	10,994	20,900	0
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	5,966	4,949	4,164
Construction - Naval Reactors	16,960	49,549	8,164
Naval Reactors Programs	768,005	730,718	661,840
Research - Advanced Scientific Computing Research	2,195	1,833	1,838
Advanced Scientific Computing Research	2,195	1,833	1,838
Research - Basic Energy Sciences	185,469	197,443	184,420
Basic Energy Sciences	185,469	197,443	184,420
Biological & Environmental Research	21,360	13,850	10,148
Research - Fusion Energy Sciences	0	2,050	1,872
Fusion Energy Sciences	0	2,050	1,872
Research - High Energy Physics	83,734	85,235	72,131
11-SC-40, LBNF/DUNE, FNAL	3,000	2,942	17,000
Construction - High Energy Physics	3,000	2,942	17,000
High Energy Physics	86,734	88,177	89,131
Operations and Maintenance - Nuclear Physics	212,309	222,778	211,353
20-SC-52, Electron Ion Collider, BNL	0	1,000	1,000
Construction - Nuclear Physics	0	1,000	1,000
Nuclear Physics	212,309	223,778	212,353
Workforce Development for Teachers & Scientists	2,506	0	0
20-SC-71, Critical Utilities Rehabilitation Project, BNL	0	20,000	15,000
19-SC-71, Science User Support Center, BNL	7,000	20,000	7,000

DEPARTMENT OF ENERGY

State Table
New York FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
17-SC-73, Core Facility Revitalization, BNL	42,200	0	0
Construction - Science Laboratories Infrastructure	49,200	40,000	22,000
Science Laboratories Infrastructure	49,200	40,000	22,000
Safeguards and Security - SC	13,933	14,013	14,013
Program Direction - SC	4,905	4,575	4,546
Science Programs	578,611	585,719	540,321
Bioenergy Technologies	1,000	0	0
Building Technologies	0	950	0
State Energy Program Grants	2,551	2,825	0
Weatherization Assistance Program	22,522	26,438	0
Weatherization and Intergovernmental Programs	25,073	29,263	0
Vehicle Technologies	2,500	2,500	2,000
Geothermal Technologies	750	0	0
Hydrogen and Fuel Cells Technologies	996	1,206	0
Energy Efficiency and Renewable Energy Programs	30,319	33,919	2,000
Transmission Reliability and Resilience	1,400	500	500
Program Direction - Electricity	51	51	51
Electricity Programs	1,451	551	551
Nuclear Science User Facilities	500	650	500
Nuclear Energy Enabling Technologies	500	650	500
Advanced Reactor Technologies	102	110	150
Versatile Advanced Test Reactor	145	0	0
Reactors Concepts RD&D	247	110	150
Accident Tolerant Fuels	0	712	0
Total Advanced Fuels	0	712	0
Fuel Cycle Research and Development	1,434	0	0
Fuel Cycle Laboratory R&D	0	472	71
Fuel Cycle Research and Development FCRD	1,434	1,184	71
Nuclear Energy Programs	2,181	1,944	721
Other Departmental Administration	105	80	80
Strategic Partnership Projects	0	0	275
Departmental Administration Programs	105	80	355
Environment, Health, Safety & Security	250	250	250
Environment, Health, Safety, and Security	250	250	250
Other Defense Activities Programs	250	250	250
Indian Energy Policy & Programs	1,000	0	0
Indian Energy Policy and Programs (IEPP)	1,000	0	0
Separations Processing Research Unit	15,000	15,300	15,000
NNSA Sites and Nevada Off-Sites	15,000	15,300	15,000
Safeguards and Security - Defense Environmental Cleanup	3,133	4,196	4,298
Defense Environmental Cleanup Programs	18,133	19,496	19,298
Small Sites - NDEC	20,456	0	0
West Valley Demonstration Project - NDEC	75,000	75,215	88,113
Community and Regulatory Support	0	200	0
Non-Defense Environmental Cleanup Programs	95,456	75,415	88,113
Total New York	1,585,240	1,535,950	1,400,317

DEPARTMENT OF ENERGY
State Table
North Carolina FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
North Carolina			
Research - Basic Energy Sciences	2,175	2,475	2,475
Basic Energy Sciences	2,175	2,475	2,475
Biological & Environmental Research	1,089	658	660
Research - High Energy Physics	100	1,827	1,330
High Energy Physics	100	1,827	1,330
Operations and Maintenance - Nuclear Physics	416	0	0
Nuclear Physics	416	0	0
Science Programs	3,780	4,960	4,465
State Energy Program Grants	1,147	1,314	0
Weatherization Assistance Program	4,891	5,733	0
Weatherization and Intergovernmental Programs	6,038	7,047	0
Energy Efficiency and Renewable Energy Programs	6,038	7,047	0
Total North Carolina	9,818	12,007	4,465

DEPARTMENT OF ENERGY
State Table
 North Dakota FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
North Dakota			
State Energy Program Grants	376	441	0
Weatherization Assistance Program	2,687	3,145	0
Weatherization and Intergovernmental Programs	3,063	3,586	0
Energy Efficiency and Renewable Energy Programs	3,063	3,586	0
Total North Dakota	3,063	3,586	0

DEPARTMENT OF ENERGY
State Table
Northern Mariana Islands FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Northern Mariana Islands			
State Energy Program Grants	256	298	0
Weatherization Assistance Program	199	224	0
Weatherization and Intergovernmental Programs	455	522	0
Energy Efficiency and Renewable Energy Programs	455	522	0
Total Northern Mariana Islands	455	522	0

DEPARTMENT OF ENERGY

State Table
Ohio FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Ohio			
Nuclear Material Removal	100	0	0
Material Management and Minimization	100	0	0
Defense Nuclear Nonproliferation Programs	100	0	0
Program Direction - National Nuclear Security Administration	2,100	2,100	2,100
Federal Salaries and Expenses Programs	2,100	2,100	2,100
Research - Basic Energy Sciences	4,880	4,940	4,940
Basic Energy Sciences	4,880	4,940	4,940
Biological & Environmental Research	873	873	873
Research - High Energy Physics	3,190	60	1,010
High Energy Physics	3,190	60	1,010
Operations and Maintenance - Nuclear Physics	363	0	0
Nuclear Physics	363	0	0
Science Programs	9,306	5,873	6,823
State Energy Program Grants	1,796	2,006	0
Weatherization Assistance Program	15,172	17,806	0
Weatherization and Intergovernmental Programs	16,968	19,812	0
Energy Efficiency and Renewable Energy Programs	16,968	19,812	0
Energy Storage Research	0	3,500	0
Energy Storage	0	3,500	0
Electricity Programs	0	3,500	0
Environment, Health, Safety & Security	264	264	264
Environment, Health, Safety, and Security	264	264	264
Legacy Management Activities - Defense	18,065	18,991	16,902
Legacy Management	18,065	18,991	16,902
Other Defense Activities Programs	18,329	19,255	17,166
Closure Sites Administration	2,889	3,087	3,187
Program Direction - Defense Environmental Cleanup	31,769	30,351	31,181
Safeguards and Security - Defense Environmental Cleanup	15,078	16,490	16,690
Defense Environmental Cleanup Programs	49,736	49,928	51,058
Gaseous Diffusion Plants	50,959	56,629	57,974
Small Sites - NDEC	0	10,000	0
Non-Defense Environmental Cleanup Programs	50,959	66,629	57,974
Portsmouth Gaseous Diffusion Plant (D&D Fund)	366,931	367,193	351,854
20-U-401 On-site Waste Disposal Facility	0	10,000	16,500
15-U-408 On-Site Waste Disposal Facility, Portsmouth	41,168	41,102	46,639
Construction - Uranium D&D Fund	41,168	51,102	63,139
Pension and Community and Regulatory Support	1,670	2,013	1,649
Uranium Enrichment D&D Programs	409,769	420,308	416,642
Total Ohio	557,267	587,405	551,763

DEPARTMENT OF ENERGY

State Table
 Oklahoma FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Oklahoma			
Biological & Environmental Research	577	0	0
Research - High Energy Physics	929	481	0
High Energy Physics	929	481	0
Science Programs	1,506	481	0
State Energy Program Grants	717	825	0
Weatherization Assistance Program	2,893	3,387	0
Weatherization and Intergovernmental Programs	3,610	4,212	0
Energy Efficiency and Renewable Energy Programs	3,610	4,212	0
Resilient Distribution Systems	0	6,750	2,250
Program Direction - Electricity	1	1	1
Electricity Programs	1	6,751	2,251
Operation And Maintenance - SWPA	17,006	13,639	13,292
Construction - SWPA	16,875	15,067	13,267
Purchase Power And Wheeling - SWPA	60,000	68,000	95,000
Program Direction - SWPA	32,995	35,157	35,635
Subtotal, SWPA	126,876	131,863	157,194
Southwestern Power Administration Programs	126,876	131,863	157,194
Total Oklahoma	131,993	143,307	159,445

DEPARTMENT OF ENERGY
State Table
Oregon FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Oregon			
Research - Basic Energy Sciences	900	0	0
Basic Energy Sciences	900	0	0
Biological & Environmental Research	5	7	0
Research - High Energy Physics	1,129	381	750
High Energy Physics	1,129	381	750
Operations and Maintenance - Nuclear Physics	510	0	0
Nuclear Physics	510	0	0
Science Programs	2,544	388	750
State Energy Program Grants	639	738	0
Weatherization Assistance Program	3,211	3,761	0
Weatherization and Intergovernmental Programs	3,850	4,499	0
Energy Efficiency and Renewable Energy Programs	3,850	4,499	0
Total Oregon	6,394	4,887	750

DEPARTMENT OF ENERGY

State Table

Pennsylvania FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Pennsylvania			
B61 Life Extension Program	5,000	5,130	6,000
W76 Life Extension Program	610	0	0
W76-2 Modification Program	0	2,528	0
W88 Alteration Program	7,282	2,218	6,921
W80-4 Life Extension Program	0	8,196	10,746
W87-1 Modification Program	1,910	2,178	30,270
Stockpile Major Modernization	14,802	20,250	53,937
Stockpile Sustainment	1,944	9,178	491
Production Operations	0	2,065	0
Stockpile Management	16,746	31,493	54,428
Plutonium Modernization	555	2,322	2,000
Primary Capability Modernization	555	2,322	2,000
Secondary Capability Modernization	382	471	1,350
Tritium and Domestic Uranium Enrichment	763	2,725	3,734
Production Modernization	1,700	5,518	7,084
Engineering and Integrated Assessments	265	1,893	0
Weapons Technology and Manufacturing Maturation	843	3,295	0
Stockpile Research, Technology, and Engineering	1,108	5,188	0
Capabilities Based Investments	0	300	0
Recapitalization	0	300	0
Operating	0	300	0
Infrastructure and Operations	0	300	0
Weapons Activities Programs	19,554	42,499	61,512
Material Disposition	0	750	0
Material Management and Minimization	0	750	0
Defense Nuclear Nonproliferation Programs	0	750	0
Naval Reactors Development	212,421	231,140	264,037
Columbia-Class Reactor Systems Development	66,014	23,881	15,028
S8G Prototype Refueling	19,424	3,245	2,888
Naval Reactors Operations and Infrastructure	107,499	117,287	82,407
Program Direction - Naval Reactors	19,484	20,200	21,480
17-D-911 BL Fire System Upgrade	13,200	0	0
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	13,759	11,409	11,465
Construction - Naval Reactors	26,959	11,409	11,465
Naval Reactors Programs	451,801	407,162	397,305
Program Direction - National Nuclear Security Administration	113	113	113
Federal Salaries and Expenses Programs	113	113	113
Research - Basic Energy Sciences	5,438	5,043	5,043
Basic Energy Sciences	5,438	5,043	5,043
Biological & Environmental Research	1,040	1,040	0
Research - High Energy Physics	5,912	4,825	3,020
High Energy Physics	5,912	4,825	3,020
Operations and Maintenance - Nuclear Physics	1,699	0	0
Nuclear Physics	1,699	0	0
Science Programs	14,089	10,908	8,063
Bioenergy Technologies	311	505	150
Building Technologies	17,750	53,500	0
State Energy Program Grants	1,848	2,078	0

DEPARTMENT OF ENERGY

State Table

Pennsylvania FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Weatherization Assistance Program	16,311	19,144	0
Weatherization and Intergovernmental Programs	18,159	21,222	0
Program Direction - Energy Efficiency and Renewable Energy	11,345	10,928	0
Vehicle Technologies	128,000	185,100	6,500
Geothermal Technologies	30,000	30,000	0
Hydrogen and Fuel Cells Technologies	20	24	0
Energy Efficiency and Renewable Energy Programs	205,585	301,279	6,650
Transformer Resilience and Advanced Components	25	2,500	4,500
Program Direction - Electricity	2,266	2,983	3,118
Electricity Programs	2,291	5,483	7,618
Cybersecurity for Energy Delivery Systems	32,070	50,900	60,636
Infrastructure Security and Energy Restoration	1,400	5,250	6,193
Program Direction - CESER	2,984	2,802	3,305
Cybersecurity, Energy Security, and Emergency Response Programs	36,454	58,952	70,135
STEP Supercritical CO2	22,430	2,000	0
Transformational Coal Pilots	25,000	20,000	0
CCS and Power Systems	47,430	22,000	0
Carbon Capture Utilization and Storage	75,941	27,643	15,611
Advanced Energy Systems	61,052	34,331	73,674
Cross Cutting Research	33,435	11,415	15,200
NETL Coal Research and Development - Fossil Energy	36,000	38,000	36,000
Advanced Coal Energy Systems & CCUS	206,428	111,389	140,485
Program Direction - Fossil Energy	27,230	27,780	28,410
Unconventional Fossil Energy from Petroleum - Oil Technologies	38,489	38,489	14,224
Natural Gas Technologies Research	22,441	22,106	6,218
NETL Research and Operations - Fossil Energy	50,000	50,000	46,000
NETL Infrastructure - Fossil Energy	45,000	50,000	43,100
Strategic Petroleum Reserve Management	446	466	488
Fossil Energy	437,464	322,230	278,925
Crosscutting Technology Development	55	0	0
Nuclear Energy Enabling Technologies	55	0	0
Program Direction - Nuclear Energy	26	0	0
Fuel Cycle Research and Development	709	0	0
Used Nuclear Fuel Disposition R&D	0	1,400	0
Fuel Cycle Research and Development FCRD	709	1,400	0
Nuclear Energy Programs	790	1,400	0
Other Departmental Administration	50	0	0
Strategic Partnership Projects	150	150	150
Departmental Administration Programs	200	150	150
Total Pennsylvania	1,168,341	1,150,926	830,471

DEPARTMENT OF ENERGY

State Table

Puerto Rico FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Puerto Rico			
Biological & Environmental Research	124	126	0
Science Programs	124	126	0
State Energy Program Grants	586	664	0
Weatherization Assistance Program	875	1,018	0
Weatherization and Intergovernmental Programs	1,461	1,682	0
Energy Efficiency and Renewable Energy Programs	1,461	1,682	0
Total Puerto Rico	1,585	1,808	0

DEPARTMENT OF ENERGY

State Table

Rhode Island FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Rhode Island			
Research - Advanced Scientific Computing Research	300	300	300
Advanced Scientific Computing Research	300	300	300
Research - Basic Energy Sciences	704	904	904
Basic Energy Sciences	704	904	904
Biological & Environmental Research	100	5	0
Research - High Energy Physics	875	1,638	1,275
High Energy Physics	875	1,638	1,275
Science Programs	1,979	2,847	2,479
State Energy Program Grants	380	434	0
Weatherization Assistance Program	1,306	1,524	0
Weatherization and Intergovernmental Programs	1,686	1,958	0
Energy Efficiency and Renewable Energy Programs	1,686	1,958	0
Total Rhode Island	3,665	4,805	2,479

DEPARTMENT OF ENERGY

State Table

South Carolina FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
South Carolina			
B61 Life Extension Program	5,000	3,000	6,500
W76 Life Extension Program	3,011	0	0
W76-2 Modification Program	813	0	0
W80-4 Life Extension Program	1,850	2,728	2,685
W87-1 Modification Program	0	500	20,000
Stockpile Major Modernization	10,674	6,228	29,185
Stockpile Sustainment	36,856	46,988	41,227
Weapons Dismantlement and Disposition	500	650	500
Production Operations	24,719	28,193	25,139
Stockpile Management	72,749	82,059	96,051
Savannah River Plutonium Operations	76,410	410,458	200,000
21-D-511, Savannah River Plutonium Processing Facility, SRS	0	0	241,896
Savannah River Plutonium Modernization	76,410	410,458	441,896
Plutonium Modernization	76,410	410,458	441,896
Primary Capability Modernization	76,410	410,458	441,896
Tritium and Domestic Uranium Enrichment	50,247	58,984	91,791
Production Modernization	126,657	469,442	533,687
Assessment Science	0	1,800	1,500
Engineering and Integrated Assessments	1,356	3,500	2,700
Weapons Technology and Manufacturing Maturation	5,446	5,753	7,350
Stockpile Research, Technology, and Engineering	6,802	11,053	11,550
Operations of Facilities	92,000	93,000	92,000
Safety and Environmental Operations	8,815	9,170	8,612
Maintenance and Repair of Facilities	34,500	31,000	55,000
Infrastructure and Safety	17,611	15,700	22,756
Capabilities Based Investments	0	320	7,500
Recapitalization	17,611	16,020	30,256
Operating	152,926	149,190	185,868
18-D-650, Tritium Finishing Facility, SRS	0	27,000	27,000
Programmatic	0	27,000	27,000
I&O - Construction	0	27,000	27,000
Infrastructure and Operations	152,926	176,190	212,868
Defense Nuclear Security (DNS)	7,537	7,688	7,841
Defense Nuclear Security	7,537	7,688	7,841
Information Technology and Cyber Security	6,836	6,986	6,886
Weapons Activities Programs	373,507	753,418	868,883
International Nuclear Security	0	108	124
Global Material Security	0	108	124
Conversion (formerly HEU Reactor Conversion)	0	2,700	4,700
Nuclear Material Removal	11,133	8,750	14,500
Material Disposition	112,280	28,950	47,750
Laboratory and Partnership Support	1,850	600	0
Material Management and Minimization	125,263	41,000	66,950
Nonproliferation & Arms Control	6,149	6,051	5,995
National Technical Nuclear Forensics R&D	0	0	1,503
Proliferation Detection R&D	4,628	6,079	5,982
Nuclear Detonation Detection	300	450	0
Nonproliferation Fuels Development	1,704	0	0

DEPARTMENT OF ENERGY

State Table

South Carolina FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Defense Nuclear Nonproliferation R&D	6,632	6,529	5,982
99-D-143, Mixed Oxide Fuel Fabrication Facility, SRS	75,835	80,000	0
18-D-150, Surplus Plutonium Disposition Project, SRS	0	74,000	142,589
Nonproliferation Construction	75,835	154,000	142,589
Counterterrorism and Counterproliferation	3,489	3,594	3,701
Nuclear Counterterrorism & Incident Response	3,489	3,594	3,701
Defense Nuclear Nonproliferation Programs	217,368	211,282	226,844
Program Direction - National Nuclear Security Administration	6,971	7,899	8,519
Federal Salaries and Expenses Programs	6,971	7,899	8,519
Research - Basic Energy Sciences	1,790	1,780	1,780
Basic Energy Sciences	1,790	1,780	1,780
Biological & Environmental Research	150	150	150
Research - Fusion Energy Sciences	0	400	400
Fusion Energy Sciences	0	400	400
Research - High Energy Physics	0	360	0
High Energy Physics	0	360	0
Science Programs	1,940	2,690	2,330
State Energy Program Grants	728	842	0
Weatherization Assistance Program	2,094	2,449	0
Weatherization and Intergovernmental Programs	2,822	3,291	0
Hydrogen and Fuel Cells Technologies	1,344	1,628	500
Energy Efficiency and Renewable Energy Programs	4,166	4,919	500
Transmission Reliability and Resilience	125	0	0
Resilient Distribution Systems	125	0	0
Transformer Resilience and Advanced Components	186	0	0
Program Direction - Electricity	540	540	540
Electricity Programs	976	540	540
Infrastructure Security and Energy Restoration	400	5,000	5,898
Cybersecurity, Energy Security, and Emergency Response Programs	400	5,000	5,898
Versatile Advanced Test Reactor	0	500	0
Reactors Concepts RD&D	0	500	0
Fuel Cycle Research and Development	4,216	0	0
Used Nuclear Fuel Disposition R&D	0	1,600	1,500
Integrated Waste Management System	0	2,900	0
Fuel Cycle Research and Development FCRD	4,216	4,500	1,500
Nuclear Energy Programs	4,216	5,000	1,500
Other Departmental Administration	60	0	0
Strategic Partnership Projects	6,700	6,700	6,700
Departmental Administration Programs	6,760	6,700	6,700
Environment, Health, Safety & Security	510	510	510
Environment, Health, Safety, and Security	510	510	510
Other Defense Activities Programs	510	510	510
Savannah River Risk Management Operations	489,460	506,366	455,122
18-D-402 Emergency Operations Center Replacement, SR	1,259	6,792	0
Construction - Savannah River Sites	1,259	6,792	0
SR Community and Regulatory Support	11,249	11,249	4,989
20-D-402 Advanced Manufacturing Collaborative Facility (AMC)	0	25,000	25,000
20-D-401 Saltstone Disposal Unit #10, 11, 12	0	500	0
19-D-701 SR Security Systems Replacement	10,000	4,525	0
18-D-402 Saltstone disposal unit #8/9	7,577	20,000	65,500

DEPARTMENT OF ENERGY

State Table

South Carolina FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
17-D-402 Saltstone Disposal Unit #7	41,243	40,034	10,716
05-D-405 Salt Waste Processing Facility, SRS	130,000	21,200	0
Construction - Radioactive Liquid Tank Waste	188,820	111,259	101,216
Radioactive Liquid Tank Waste Stabilization	696,869	820,106	970,332
Savannah River Sites	1,387,657	1,455,772	1,531,659
Program Direction - Defense Environmental Cleanup	44,080	44,410	41,280
Safeguards and Security - Defense Environmental Cleanup	163,357	174,152	171,211
Defense Environmental Cleanup Programs	1,595,094	1,674,334	1,744,150
Total South Carolina	2,211,908	2,672,292	2,866,374

DEPARTMENT OF ENERGY

State Table

South Dakota FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
South Dakota			
Research - Basic Energy Sciences	600	0	0
Basic Energy Sciences	600	0	0
Research - High Energy Physics	500	30,500	27,000
High Energy Physics	500	30,500	27,000
Science Programs	1,100	30,500	27,000
State Energy Program Grants	359	416	0
Weatherization Assistance Program	2,063	2,413	0
Weatherization and Intergovernmental Programs	2,422	2,829	0
Energy Efficiency and Renewable Energy Programs	2,422	2,829	0
Total South Dakota	3,522	33,329	27,000

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Tennessee			
B61 Life Extension Program	94,030	55,307	92,000
W76-2 Modification Program	57,253	0	0
W88 Alteration Program	5,268	8,608	4,123
W80-4 Life Extension Program	21,800	52,478	63,164
W87-1 Modification Program	500	4,000	45,000
W93	0	0	500
Stockpile Major Modernization	178,851	120,393	204,787
Stockpile Sustainment	45,941	45,828	36,673
Weapons Dismantlement and Disposition	10,000	10,000	11,500
Production Operations	112,518	104,709	108,738
Stockpile Management	347,310	280,930	361,698
Secondary Capability Modernization	217,328	249,006	370,860
Tritium and Domestic Uranium Enrichment	70,949	66,130	64,489
Production Modernization	288,277	315,136	435,349
Assessment Science	312	320	220
Engineering and Integrated Assessments	2,332	3,486	6,181
Inertial Confinement Fusion	260	0	0
Advanced Simulation and Computing	530	1,108	0
Weapons Technology and Manufacturing Maturation	4,483	8,104	12,800
Stockpile Research, Technology, and Engineering	7,917	13,018	19,201
Operations of Facilities	104,000	99,000	109,000
Safety and Environmental Operations	28,440	22,670	30,645
Maintenance and Repair of Facilities	100,000	95,000	132,000
Infrastructure and Safety	89,307	73,823	76,547
Capabilities Based Investments	9,100	11,910	19,400
Recapitalization	98,407	85,733	95,947
Operating	330,847	302,403	367,592
18-D-690, Lithium Processing Facility, Y-12	19,000	32,000	109,405
06-D-141, Uranium Processing Facility, Y-12	703,000	745,000	750,000
Programmatic	722,000	777,000	859,405
I&O - Construction	722,000	777,000	859,405
Infrastructure and Operations	1,052,847	1,079,403	1,226,997
STA Operations and Equipment	5	0	0
Secure Transportation Asset	5	0	0
Defense Nuclear Security (DNS)	167,532	167,465	173,815
17-D-710, West End Protected Area Reduction Project, Y-12	0	25,000	11,000
Construction - Defense Nuclear Security	0	25,000	11,000
Defense Nuclear Security	167,532	192,465	184,815
Information Technology and Cyber Security	7,785	7,785	7,785
Weapons Activities Programs	1,871,673	1,888,737	2,235,845
International Nuclear Security	9,821	15,397	17,581
Domestic Radiological Security	22,950	19,069	13,102
International Radiological Security	7,317	6,461	6,005
Nuclear Smuggling Detection and Deterrence	14,958	10,218	10,266
Global Material Security	55,046	51,145	46,954
Conversion (formerly HEU Reactor Conversion)	0	1,300	5,495
Nuclear Material Removal	8,748	10,625	9,400
Material Disposition	37,287	17,835	32,886

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Laboratory and Partnership Support	3,769	1,420	0
Material Management and Minimization	49,804	31,180	47,781
Nonproliferation & Arms Control	20,852	24,475	24,250
National Technical Nuclear Forensics R&D	0	0	4,210
Proliferation Detection R&D	35,967	31,915	31,404
Nuclear Detonation Detection	1,630	1,550	286
Nonproliferation Fuels Development	7,803	4,300	0
Nonproliferation Stewardship Program	0	750	8,560
Defense Nuclear Nonproliferation R&D	45,400	38,515	40,250
Counterterrorism and Counterproliferation	9,353	12,133	13,505
Nuclear Counterterrorism & Incident Response	9,353	12,133	13,505
Defense Nuclear Nonproliferation Programs	180,455	157,448	176,950
Program Direction - National Nuclear Security Administration	24,606	25,858	25,956
Federal Salaries and Expenses Programs	24,606	25,858	25,956
Research - Advanced Scientific Computing Research	214,058	235,254	228,313
17-SC-20, Office of Science Exascale Computing Project (SC-ECP)	232,706	188,735	168,945
Advanced Scientific Computing Research	446,764	423,989	397,258
Research - Basic Energy Sciences	349,799	374,846	330,118
19-SC-14, Second Target Station (STS), ORNL	1,000	20,000	1,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	60,000	60,000	5,000
Construction - Basic Energy Sciences	61,000	80,000	6,000
Basic Energy Sciences	410,799	454,846	336,118
Biological & Environmental Research	87,548	83,132	62,491
Research - Fusion Energy Sciences	31,033	33,250	31,176
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	132,000	242,000	107,000
Construction - Fusion Energy Sciences	132,000	242,000	107,000
Fusion Energy Sciences	163,033	275,250	138,176
Research - High Energy Physics	920	1,251	407
High Energy Physics	920	1,251	407
Operations and Maintenance - Nuclear Physics	19,008	19,245	17,643
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	0	12,000	12,000
Construction - Nuclear Physics	0	12,000	12,000
Nuclear Physics	19,008	31,245	29,643
Workforce Development for Teachers & Scientists	11,376	0	0
Oak Ridge Landlord	6,434	5,610	5,860
Oak Ridge Nuclear Operations	26,000	26,000	6,000
Facilities and Infrastructure (SLI)	12,750	7,472	200
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74)	0	15,000	25,000
19-SC-73, Translational Research Capability, ORNL	25,000	25,000	10,000
Construction - Science Laboratories Infrastructure	25,000	40,000	35,000
Science Laboratories Infrastructure	70,184	79,082	47,060
Safeguards and Security - SC	38,987	37,184	37,184
Program Direction - SC	38,848	37,952	38,277
Payment In Lieu of Taxes PILT	0	2,890	3,000
Science Programs	1,287,467	1,426,821	1,089,614
Bioenergy Technologies	14,232	13,732	4,145
Building Technologies	17,466	28,218	5,500
State Energy Program Grants	952	1,538	0
Weatherization Assistance Program	4,873	5,712	0
Training and Technical Assistance	1,475	2,000	0

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Weatherization and Intergovernmental Programs	7,300	9,250	0
Advanced Manufacturing	37,725	41,523	11,666
Federal Energy Management Program	2,549	6,377	1,150
Vehicle Technologies	52,900	29,500	12,800
Geothermal Technologies	4,333	1,625	150
Solar Energy Technologies	2,581	0	289
Water Power Technologies	6,273	6,985	2,300
Wind Energy Technologies	925	1,306	198
Hydrogen and Fuel Cells Technologies	3,330	4,033	1,500
Energy Efficiency and Renewable Energy Programs	149,614	142,549	39,698
Transmission Reliability and Resilience	2,488	20,900	20,000
Resilient Distribution Systems	4,693	11,076	1,000
Energy Storage Research	4,525	3,500	4,000
Energy Storage	4,525	3,500	4,000
Transformer Resilience and Advanced Components	2,525	3,000	3,000
Transmission Permitting and Technical Assistance	155	0	0
Electricity Programs	14,386	38,476	28,000
Cybersecurity for Energy Delivery Systems	10,800	1,300	1,534
Infrastructure Security and Energy Restoration	3,160	7,100	8,376
Cybersecurity, Energy Security, and Emergency Response Programs	13,960	8,400	9,909
Carbon Capture Utilization and Storage	0	1,075	607
Advanced Energy Systems	0	12,499	26,823
Advanced Coal Energy Systems & CCUS	0	13,574	27,430
Strategic Petroleum Reserve Management	570	570	570
Fossil Energy	570	14,144	28,000
Crosscutting Technology Development	1,035	60	60
Energy Innovation Hub for Modeling and Simulation	19,381	0	0
Nuclear Science User Facilities	6,524	1,250	1,200
NEAMS Joint Modeling and Simulation Program	1,538	0	0
Transformational Challenge Reactor	0	17,000	22,550
Joint Modeling and Simulation Program	0	1,080	2,000
Nuclear Energy Enabling Technologies	28,478	19,390	25,810
Light Water Reactor Sustainability	6,612	6,635	5,000
Advanced Reactor Technologies	17,382	3,983	5,000
Versatile Advanced Test Reactor	45	1,800	0
Advanced SMR R&D	17,450	0	0
Reactors Concepts RD&D	41,489	12,418	10,000
Regulatory Development	0	2,000	1,000
Advanced Reactors Demonstration Program	0	2,000	1,000
Oak Ridge Nuclear Infrastructure	19,985	19,957	0
Radiological Facilities Management	19,985	19,957	0
Program Direction - Nuclear Energy	2,069	2,098	1,982
International Nuclear Energy Cooperation	146	0	0
Civil Nuclear Enrichment	0	40,000	40,000
Materials Recovery and Waste Form Development (MRWFD)	0	1,100	440
Material recovery and waste form development	0	41,100	40,440
Accident Tolerant Fuels	0	4,628	1,000
Triso Fuel and Graphite Qualification	0	1,769	1,880
Total Advanced Fuels	0	6,397	2,880
Fuel Cycle Research and Development	55,352	0	0

DEPARTMENT OF ENERGY

State Table
Tennessee FY 2021
(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Fuel Cycle Laboratory R&D	0	1,590	225
Used Nuclear Fuel Disposition R&D	0	5,500	5,000
Integrated Waste Management System	0	7,500	0
Fuel Cycle Research and Development FCRD	55,352	62,087	48,545
Nuclear Energy Programs	147,519	117,950	87,337
Other Departmental Administration	456	275	275
Strategic Partnership Projects	19,350	20,222	12,227
Departmental Administration Programs	19,806	20,497	12,502
Environment, Health, Safety & Security	5,455	5,455	5,455
Environment, Health, Safety, and Security	5,455	5,455	5,455
Other Defense Activities Programs	5,455	5,455	5,455
Advanced Technology Vehicle Manufacturing Loan Program	300	0	0
Advanced Technology Vehicles Manufacturing Loan Programs	300	0	0
OR Nuclear Facility D&D	189,000	213,000	109,077
U233 Disposition Program	52,300	55,000	45,000
OR Cleanup and Waste Disposition	74,000	101,100	58,000
17-D-401 On-site Waste Disposal Facility	10,000	0	22,380
14-D-403 Outfall 200 Mercury Treatment Facility	76,000	70,000	20,500
Construction - Oak Ridge	86,000	70,000	42,880
OR Community and Regulatory Support	5,700	5,900	4,930
OR Technology Development and Deployment	3,000	5,000	3,000
Oak Ridge (OR)	410,000	450,000	262,887
Program Direction - Defense Environmental Cleanup	15,623	14,576	14,754
Safeguards and Security - Defense Environmental Cleanup	14,023	9,000	9,260
Defense Environmental Cleanup Programs	439,646	473,576	286,901
Small Sites - NDEC	10,000	10,000	0
Non-Defense Environmental Cleanup Programs	10,000	10,000	0
Oak Ridge Reservation (D&D Fund)	195,000	195,693	144,701
Pension and Community and Regulatory Support	17,258	17,655	15,000
Uranium Enrichment D&D Programs	212,258	213,348	159,701
Total Tennessee	4,377,715	4,543,259	4,185,868

DEPARTMENT OF ENERGY

State Table
 Texas FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Texas			
B61 Life Extension Program	60,100	55,552	47,000
W76 Life Extension Program	5,000	0	0
W76-2 Modification Program	2,026	0	0
W88 Alteration Program	40,432	34,660	44,685
W80-4 Life Extension Program	27,500	35,410	40,490
W87-1 Modification Program	500	500	4,000
W93	0	0	500
Stockpile Major Modernization	135,558	126,122	136,675
Stockpile Sustainment	107,178	128,129	128,881
Weapons Dismantlement and Disposition	26,000	27,940	30,000
Production Operations	118,826	116,066	119,818
Stockpile Management	387,562	398,257	415,374
High Explosives & Energetics	1,557	3,047	30,409
Primary Capability Modernization	1,557	3,047	30,409
Production Modernization	1,557	3,047	30,409
Engineering and Integrated Assessments	2,212	4,284	3,730
Weapons Technology and Manufacturing Maturation	863	5,396	10,700
Stockpile Research, Technology, and Engineering	3,075	9,680	14,430
Operations of Facilities	65,000	67,000	68,000
Safety and Environmental Operations	13,485	6,915	26,174
Maintenance and Repair of Facilities	96,000	82,000	125,000
Infrastructure and Safety	63,100	62,071	72,367
Capabilities Based Investments	10,743	17,103	8,130
Recapitalization	73,843	79,174	80,497
Operating	248,328	235,089	299,671
21-D-510, HE Synthesis, Formulation, and Production Facility, PX	0	0	31,000
18-D-680, Material Staging Facility, PX	24,000	0	0
15-D-301, HE Science & Engineering Facility, PX	0	80,000	43,000
Programmatic	24,000	80,000	74,000
I&O - Construction	24,000	80,000	74,000
Infrastructure and Operations	272,328	315,089	373,671
STA Operations and Equipment	7,317	7,431	7,930
Secure Transportation Asset	7,317	7,431	7,930
Defense Nuclear Security (DNS)	138,903	138,847	143,247
Defense Nuclear Security	138,903	138,847	143,247
Information Technology and Cyber Security	7,572	7,572	7,572
Weapons Activities Programs	818,314	879,923	992,633
Material Disposition	5,100	3,000	6,776
Material Management and Minimization	5,100	3,000	6,776
Proliferation Detection R&D	50	0	0
Defense Nuclear Nonproliferation R&D	50	0	0
Counterterrorism and Counterproliferation	2,456	2,530	2,606
Nuclear Counterterrorism & Incident Response	2,456	2,530	2,606
Defense Nuclear Nonproliferation Programs	7,606	5,530	9,382
Research - Advanced Scientific Computing Research	1,535	1,535	1,535
Advanced Scientific Computing Research	1,535	1,535	1,535
Research - Basic Energy Sciences	7,540	3,740	3,740
Basic Energy Sciences	7,540	3,740	3,740

DEPARTMENT OF ENERGY

State Table
 Texas FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Biological & Environmental Research	5,053	1,751	0
Research - Fusion Energy Sciences	2,164	4,079	1,076
Fusion Energy Sciences	2,164	4,079	1,076
Research - High Energy Physics	4,731	2,791	2,460
High Energy Physics	4,731	2,791	2,460
Operations and Maintenance - Nuclear Physics	1,427	0	0
Nuclear Physics	1,427	0	0
Science Programs	22,450	13,896	8,811
State Energy Program Grants	3,145	3,703	0
Weatherization Assistance Program	6,578	7,715	0
Weatherization and Intergovernmental Programs	9,723	11,418	0
Energy Efficiency and Renewable Energy Programs	9,723	11,418	0
Transmission Reliability and Resilience	2	0	0
Resilient Distribution Systems	68	0	0
Program Direction - Electricity	21	21	21
Electricity Programs	91	21	21
Strategic Petroleum Reserve Management	13,523	13,806	15,851
Fossil Energy	13,523	13,806	15,851
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Other Defense Activities Programs	10	10	10
Total Texas	871,717	924,604	1,026,708

DEPARTMENT OF ENERGY
State Table
 Undesignated State FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Undesignated State			
Transmission Reliability and Resilience	1,277	6,600	7,050
Resilient Distribution Systems	9,212	9,449	1,100
Energy Storage Research	1,904	12,200	2,200
Energy Storage	1,904	12,200	2,200
Transformer Resilience and Advanced Components	243	243	328
DCEI Energy Mission Assurance	0	0	825
Electricity Programs	12,635	28,492	11,503
Northeast Gasoline Supply Reserve	29,000	0	0
Northeast Home Heating Oil Reserves	9,038	9,038	0
Fossil Energy	38,038	9,038	0
Other Departmental Administration	0	5,000	0
Departmental Administration Programs	0	5,000	0
Total Undesignated State	50,673	42,530	11,503

DEPARTMENT OF ENERGY
State Table
 U.S. Virgin Islands FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
U.S. Virgin Islands			
State Energy Program Grants	282	330	0
Weatherization Assistance Program	212	239	0
Weatherization and Intergovernmental Programs	494	569	0
Energy Efficiency and Renewable Energy Programs	494	569	0
Total U.S. Virgin Islands	494	569	0

DEPARTMENT OF ENERGY

State Table
 Utah FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Utah			
Research - Basic Energy Sciences	2,975	2,875	2,875
Basic Energy Sciences	2,975	2,875	2,875
Biological & Environmental Research	826	380	0
Research - High Energy Physics	470	377	275
High Energy Physics	470	377	275
Science Programs	4,271	3,632	3,150
State Energy Program Grants	516	599	0
Weatherization Assistance Program	2,344	2,743	0
Weatherization and Intergovernmental Programs	2,860	3,342	0
Energy Efficiency and Renewable Energy Programs	2,860	3,342	0
Small Sites - NDEC	45,000	45,000	47,653
Non-Defense Environmental Cleanup Programs	45,000	45,000	47,653
Total Utah	52,131	51,974	50,803

DEPARTMENT OF ENERGY

State Table

Vermont FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Vermont			
State Energy Program Grants	338	388	0
Weatherization Assistance Program	1,455	1,699	0
Weatherization and Intergovernmental Programs	1,793	2,087	0
Energy Efficiency and Renewable Energy Programs	1,793	2,087	0
Total Vermont	1,793	2,087	0

DEPARTMENT OF ENERGY

State Table
 Virginia FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Virginia			
Research - Advanced Scientific Computing Research	815	810	788
Advanced Scientific Computing Research	815	810	788
Research - Basic Energy Sciences	1,075	1,075	1,075
Basic Energy Sciences	1,075	1,075	1,075
Biological & Environmental Research	3,720	3,822	3,816
Research - High Energy Physics	2,687	2,620	1,610
High Energy Physics	2,687	2,620	1,610
Operations and Maintenance - Nuclear Physics	130,517	133,267	128,609
Nuclear Physics	130,517	133,267	128,609
Workforce Development for Teachers & Scientists	200	0	0
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	0	2,000	2,000
Construction - Science Laboratories Infrastructure	0	2,000	2,000
Science Laboratories Infrastructure	0	2,000	2,000
Safeguards and Security - SC	3,021	3,037	3,037
Program Direction - SC	1,971	2,148	2,241
Science Programs	144,006	148,779	143,176
State Energy Program Grants	1,098	1,251	0
Weatherization Assistance Program	4,581	5,369	0
Weatherization and Intergovernmental Programs	5,679	6,620	0
Energy Efficiency and Renewable Energy Programs	5,679	6,620	0
Transmission Reliability and Resilience	1,462	1,200	500
Resilient Distribution Systems	10	0	0
Energy Storage Research	15	0	0
Energy Storage	15	0	0
Transformer Resilience and Advanced Components	0	0	0
Transmission Permitting and Technical Assistance	240	275	275
Program Direction - Electricity	57	56	55
Electricity Programs	1,784	1,531	830
Other Departmental Administration	30	30	30
Departmental Administration Programs	30	30	30
Small Sites - NDEC	11,000	18,200	11,000
Non-Defense Environmental Cleanup Programs	11,000	18,200	11,000
Total Virginia	162,499	175,160	155,036

DEPARTMENT OF ENERGY

State Table
 Washington FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Washington			
Production Operations	0	50	0
Stockpile Management	0	50	0
Secondary Capability Modernization	0	756	756
Tritium and Domestic Uranium Enrichment	40,688	54,279	56,186
Production Modernization	40,688	55,035	56,942
Engineering and Integrated Assessments	20	35	0
Weapons Technology and Manufacturing Maturation	20	35	0
Stockpile Research, Technology, and Engineering	40	70	0
Safety and Environmental Operations	6,275	3,150	7,536
Capabilities Based Investments	0	100	0
Recapitalization	0	100	0
Operating	6,275	3,250	7,536
Infrastructure and Operations	6,275	3,250	7,536
Weapons Activities Programs	47,003	58,405	64,478
International Nuclear Security	3,104	4,064	4,742
Domestic Radiological Security	30,926	26,463	18,182
International Radiological Security	41,620	35,200	32,717
Nuclear Smuggling Detection and Deterrence	53,763	44,458	44,667
Global Material Security	129,413	110,185	100,308
Conversion (formerly HEU Reactor Conversion)	0	22,000	27,712
Nuclear Material Removal	250	0	350
Material Disposition	5,171	100	1,400
Laboratory and Partnership Support	809	0	0
Material Management and Minimization	6,230	22,100	29,462
Nonproliferation & Arms Control	22,659	22,892	22,681
National Technical Nuclear Forensics R&D	0	0	5,509
Proliferation Detection R&D	27,504	28,451	16,302
Nuclear Detonation Detection	4,428	5,122	15,297
Nonproliferation Fuels Development	25,520	0	0
Nonproliferation Stewardship Program	0	750	4,780
Defense Nuclear Nonproliferation R&D	57,452	34,323	36,379
99-D-143, Mixed Oxide Fuel Fabrication Facility, SRS	200	0	0
18-D-150, Surplus Plutonium Disposition Project, SRS	0	2,250	2,000
Nonproliferation Construction	200	2,250	2,000
Emergency Operations	1,080	940	960
Counterterrorism and Counterproliferation	4,588	4,725	5,868
Nuclear Counterterrorism & Incident Response	5,668	5,665	6,828
Defense Nuclear Nonproliferation Programs	221,622	197,415	203,167
Program Direction - National Nuclear Security Administration	0	1,400	1,400
Federal Salaries and Expenses Programs	0	1,400	1,400
Research - Advanced Scientific Computing Research	5,597	4,360	1,915
Advanced Scientific Computing Research	5,597	4,360	1,915
Research - Basic Energy Sciences	35,731	36,839	36,839
Basic Energy Sciences	35,731	36,839	36,839
Biological & Environmental Research	144,450	108,067	85,042
Research - Fusion Energy Sciences	582	1,011	1,663
Fusion Energy Sciences	582	1,011	1,663
Research - High Energy Physics	2,990	2,805	2,060

DEPARTMENT OF ENERGY

State Table
 Washington FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
High Energy Physics	2,990	2,805	2,060
Operations and Maintenance - Nuclear Physics	500	830	287
Nuclear Physics	500	830	287
Workforce Development for Teachers & Scientists	1,022	0	0
18-SC-71, Energy Sciences Capability, PNNL	24,000	23,000	23,000
Construction - Science Laboratories Infrastructure	24,000	23,000	23,000
Science Laboratories Infrastructure	24,000	23,000	23,000
Safeguards and Security - SC	12,459	12,759	12,759
Program Direction - SC	5,084	5,186	5,036
Science Programs	232,415	194,857	168,601
Bioenergy Technologies	17,921	17,350	3,500
Building Technologies	22,898	30,172	4,500
State Energy Program Grants	971	1,055	0
Weatherization Assistance Program	5,147	6,034	0
Weatherization and Intergovernmental Programs	6,118	7,089	0
Advanced Manufacturing	300	300	0
Federal Energy Management Program	4,788	4,839	1,300
Vehicle Technologies	14,500	13,300	7,250
Strategic Programs	250	50	100
Geothermal Technologies	3,985	725	25
Solar Energy Technologies	48	316	0
Water Power Technologies	15,565	12,411	4,957
Wind Energy Technologies	6,501	6,430	1,671
Hydrogen and Fuel Cells Technologies	4,904	5,940	1,500
Energy Efficiency and Renewable Energy Programs	97,778	98,922	24,803
Transmission Reliability and Resilience	9,229	12,750	12,850
Resilient Distribution Systems	10,057	6,182	5,000
Energy Storage Research	16,624	15,000	16,000
Energy Storage	16,624	15,000	16,000
Transformer Resilience and Advanced Components	340	0	0
DCEI Energy Mission Assurance	0	1,000	40,000
Transmission Permitting and Technical Assistance	1,373	600	600
Electricity Programs	37,624	35,532	74,450
Cybersecurity for Energy Delivery Systems	6,050	3,300	3,893
Infrastructure Security and Energy Restoration	1,840	6,500	7,668
Cybersecurity, Energy Security, and Emergency Response Programs	7,890	9,800	11,561
Carbon Capture Utilization and Storage	829	3,952	2,232
Advanced Energy Systems	0	494	1,060
Cross Cutting Research	320	0	0
Advanced Coal Energy Systems & CCUS	1,149	4,446	3,292
Unconventional Fossil Energy from Petroleum - Oil Technologies	500	500	185
Natural Gas Technologies Research	599	699	377
Fossil Energy	2,248	5,645	3,854
Crosscutting Technology Development	1,430	30	30
Nuclear Science User Facilities	0	50	50
Nuclear Energy Enabling Technologies	1,430	80	80
Advanced Reactor Technologies	500	580	600
Versatile Advanced Test Reactor	0	1,000	0
Advanced SMR R&D	277	0	0
Reactors Concepts RD&D	777	1,580	600

DEPARTMENT OF ENERGY

State Table
 Washington FY 2021
 (Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Regulatory Development	0	1,100	550
Advanced Reactors Demonstration Program	0	1,100	550
Program Direction - Nuclear Energy	0	158	195
International Nuclear Energy Cooperation	158	0	0
Mining, Conversion, and Transportation	0	0	450
Fuel Cycle Research and Development Mining and Conversion FCRD	0	0	450
Materials Recovery and Waste Form Development (MRWFD)	0	1,010	404
Material recovery and waste form development	0	1,010	404
Fuel Cycle Research and Development	14,840	0	0
Fuel Cycle Laboratory R&D	0	1,140	171
Used Nuclear Fuel Disposition R&D	0	9,000	9,000
Integrated Waste Management System	0	3,500	0
Fuel Cycle Research and Development FCRD	14,840	14,650	10,025
Nuclear Energy Programs	17,205	17,568	11,450
Other Departmental Administration	188	175	175
Strategic Partnership Projects	100	100	100
Departmental Administration Programs	288	275	275
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
River Corridor and Other Cleanup Operations	193,692	236,102	54,949
Central Plateau Remediation	660,358	654,800	498,335
Richland Community and Regulatory Support	10,121	10,121	2,500
18-D-404 Modification of Waste Encapsulation and Storage Facility	1,000	11,000	0
Construction - Richland	1,000	11,000	0
Richland	865,171	912,023	555,784
Rad Liquid Tank Waste Stabilization and Disposition	771,947	775,000	597,757
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	655,000	776,000	609,924
15-D-409 Low Activity Waste Pretreatment System	56,053	0	0
01-D-16-A-D Waste Treatment and Immobilization Plant	15,000	15,000	50,000
01-D-16D High-Level Waste Facility	60,000	25,000	0
01-D-16E Pretreatment Facility	15,000	15,000	0
Construction - Office of River Protection	801,053	831,000	659,924
ORP Low-Level Waste Offsite Disposal	0	10,000	0
Office of River Protection (ORP)	1,573,000	1,616,000	1,257,681
Program Direction - Defense Environmental Cleanup	78,530	77,737	71,804
Safeguards and Security - Defense Environmental Cleanup	86,686	86,778	96,300
Defense Environmental Cleanup Programs	2,603,387	2,692,538	1,981,569
Fast Flux Test Reactor Facility (WA)	2,240	2,500	2,500
Non-Defense Environmental Cleanup Programs	2,240	2,500	2,500
Total Washington	3,272,604	3,317,762	2,551,013

DEPARTMENT OF ENERGY

State Table

West Virginia FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
West Virginia			
Research - Basic Energy Sciences	341	0	0
Basic Energy Sciences	341	0	0
Science Programs	341	0	0
State Energy Program Grants	533	606	0
Weatherization Assistance Program	3,464	4,058	0
Weatherization and Intergovernmental Programs	3,997	4,664	0
Energy Efficiency and Renewable Energy Programs	3,997	4,664	0
Resilient Distribution Systems	275	0	0
Electricity Programs	275	0	0
International Nuclear Energy Cooperation	100	0	0
Nuclear Energy Programs	100	0	0
Legacy Management Activities - Defense	2,421	2,464	2,403
Legacy Management	2,421	2,464	2,403
Other Defense Activities Programs	2,421	2,464	2,403
Loan Guarantee Program	82	150	0
Title XVII Loan Guarantee Programs	82	150	0
Total West Virginia	7,216	7,278	2,403

DEPARTMENT OF ENERGY

State Table

Wisconsin FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Wisconsin			
Research - Basic Energy Sciences	0	1,310	1,310
Basic Energy Sciences	0	1,310	1,310
Biological & Environmental Research	30,177	27,567	25,752
Research - Fusion Energy Sciences	6,820	5,560	1,809
Fusion Energy Sciences	6,820	5,560	1,809
Research - High Energy Physics	2,518	0	1,500
High Energy Physics	2,518	0	1,500
Science Programs	39,515	34,437	30,371
State Energy Program Grants	1,029	1,157	0
Weatherization Assistance Program	9,712	11,395	0
Weatherization and Intergovernmental Programs	10,741	12,552	0
Energy Efficiency and Renewable Energy Programs	10,741	12,552	0
Indian Energy Policy & Programs	2,658	0	0
Indian Energy Policy and Programs (IEPP)	2,658	0	0
Total Wisconsin	52,914	46,989	30,371

DEPARTMENT OF ENERGY

State Table

Wyoming FY 2021

(Dollars in Thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request Detail
Wyoming			
State Energy Program Grants	349	408	0
Weatherization Assistance Program	1,273	1,475	0
Weatherization and Intergovernmental Programs	1,622	1,883	0
Energy Efficiency and Renewable Energy Programs	1,622	1,883	0
Total Wyoming	1,622	1,883	0