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DEPARTMENT OF ENERGY State Table Summary Report

FY 2023

(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Alabama	4,939	4,940	285
Alaska	2,729	2,624	7
American Samoa	508	508	0
Arizona	5,246	4,750	1,096
Arkansas	3,233	3,229	5
California	3,869,088	3,911,221	4,333,726
Colorado	984,219	1,228,268	2,021,672
Connecticut	7,397	7,407	2,800
Delaware	1,937	1,937	0
District of Columbia	5,466,435	4,761,937	5,955,118
Florida	15,577	14,208	7,244
Georgia	8,535	8,808	4,406
Guam	531	531	0
Hawaii	1,686	2,121	1,523
Indiana	12,014	12,634	1,625
lowa	77,855	42,564	39,508
Kansas	4,824	4,789	546
Idaho	2,435,141	2,428,114	2,593,167
Illinois	1,889,995	1,407,803	1,377,312
Kentucky	336,933	336,933	296,893
Maine	4,245	4,245	2,638
Louisiana	165,574	165,567	171,688
Maryland	11,135	8,595	14,606
Massachusetts	30,880	29,289	27,444
Michigan	30,519	25,272	5,335
Minnesota	13,907	15,490	1,998
Mississippi	3,710	3,510	800
Missouri	1,237,807	1,200,718	1,345,782
Montana	4,900	4,900	1,529
Nebraska	4,572	4,475	0
New Hampshire	2,374	2,374	415
New Jersey	98,631	94,481	98,194
New Mexico	8,325,151	8,046,949	9,415,754
North Carolina	9,470	8,435	1,620
Nevada	872,773	861,371	742,170
North Dakota	3,333	3,333	0
New York	1,459,145	1,489,828	1,475,930
Northern Mariana Islands	509	509	0

DEPARTMENT OF ENERGY State Table Summary Report

FY 2023

(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Ohio	708,071	689,607	755,532
Oklahoma	121,092	121,017	163,587
Oregon	5,958	5,634	1,625
Pennsylvania	1,047,698	988,240	1,209,589
Puerto Rico	1,796	1,796	0
Rhode Island	3,845	2,387	1,265
South Carolina	2,839,936	2,894,796	3,277,060
South Dakota	32,653	26,558	23,474
Tennessee	4,780,996	4,589,615	4,420,484
Texas	1,026,189	1,009,213	1,166,799
Undesignated State	135,096	1,639,212	4,458,917
U.S. Virgin Islands	541	541	0
Utah	51,478	51,003	67,853
Vermont	1,993	1,993	0
Virginia	160,949	179,489	194,994
Washington	3,485,740	3,456,090	3,427,346
West Virginia	47,223	47,408	12,820
Wisconsin	43,371	42,816	28,212
Wyoming	1,783	1,783	0
Total DOE by State	41,903,865	41,903,865	49,152,393

State Table

Alabama FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Alabama	Litatica	Allitudii2ed OK	request Betain
Research - Fusion Energy Sciences	50	50	0
Fusion Energy Sciences	50	50	0
Research - High Energy Physics	819	485	285
High Energy Physics	819	485	285
Research - Accelerator R&D and Production	0	335	0
Accelerator R&D and Production	0	335	0
Weatherization Assistance Program (EERE)	3,156	3,156	0
State Energy Program Grants (EERE)	914	914	0
Weatherization and Intergovernmental Programs	4,070	4,070	0
Energy Efficiency	4,070	4,070	0
Total Alabama	4,939	4,940	285

State Table

Alaska FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Alaska			<u>. </u>
Weatherization Assistance Program (EERE)	2,178	2,178	0
State Energy Program Grants (EERE)	446	446	0
Weatherization and Intergovernmental Programs	2,624	2,624	0
Energy Efficiency	2,624	2,624	0
Resilient Distribution Systems	100	0	0
Program Direction - Electricity	5	0	5
Program Direction - Grid Deployment Office	0	0	2
Total Alaska	2,729	2,624	7

State Table

American Samoa FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
American Samoa			
Weatherization Assistance Program (EERE)	209	209	0
State Energy Program Grants (EERE)	299	299	0
Weatherization and Intergovernmental Programs	508	508	0
Energy Efficiency	508	508	0
Total American Samoa	508	508	0

State Table

Arizona FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Arizona			
Research - Biological & Environmental Research	741	741	96
Biological and Environmental Research	741	741	96
Research - High Energy Physics	1,015	995	389
High Energy Physics	1,015	995	389
Weatherization Assistance Program (EERE)	2,132	2,132	0
State Energy Program Grants (EERE)	882	882	0
Weatherization and Intergovernmental Programs	3,014	3,014	0
Energy Efficiency	3,014	3,014	0
Program Direction - Electricity	476	0	465
Program Direction - Grid Deployment Office	0	0	146
Total Arizona	5,246	4,750	1,096

State Table

Arkansas FY 2023 (Dollars in Thousands)

Arkansas	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
	0.500	0.500	
Weatherization Assistance Program (EERE)	2,533	2,533	0
State Energy Program Grants (EERE)	696	696	0
Weatherization and Intergovernmental Programs	3,229	3,229	0
Energy Efficiency	3,229	3,229	0
Program Direction - Electricity	4	0	4
Program Direction - Grid Deployment Office	0	0	1
Total Arkansas	3,233	3,229	5

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
California			
B61-12 LEP	695	0	0
W80-4 LEP	173,304	198,059	178,050
W87-1 Modification Program	200,000	215,280	213,059
W93 Program	4,000	4,000	3,000
Stockpile Major Modernization	377,999	417,339	394,109
Stockpile Sustainment	83,839	89,193	105,737
Weapons Dismantlement and Disposition	497	2,800	2,000
Production Operations	5,819	5,476	5,748
Nuclear Enterprise Assurance	0	0	5,634
Stockpile Management	468,154	514,808	513,228
Enterprise Plutonium Support	51,361	51,361	56,260
Plutonium Modernization	51,361	51,361	56,260
High Explosives & Energetics	14,000	13,000	17,500
HE & Energistics	14,000	13,000	17,500
Primary Capability Modernization	65,361	64,361	73,760
Uranium Modernization	1,300	1,300	2,500
Depleted Uranium Modernization	3,000	6,209	12,000
Lithium Modernization	0	0	2,500
Secondary Capability Modernization	4,300	7,509	17,000
Tritium Sustainment and Modernization	38	40	40
Tritium and Domestic Uranium Enrichment	38	40	40
Non-Nuclear Capability Modernization	2,050	435	370
Total, Non-Nuclear Capability Modernization	2,050	435	370
Capability Based Investments	33,030	27,720	30,000
Production Modernization	104,779	100,065	121,170
Primary Assessment Technologies	46,800	76,988	50,661
Dynamic Materials Properties	39,109	39,109	42,600
Advanced Diagnostics	11,220	10,320	9,240
Secondary Assessment Technologies	40,002	38,102	37,150
Enhanced Capabilities for Subcritical Experiments	44,958	67,734	106,110
Hydrodynamic and Subcritical Experiment Execution Support	28,750	28,750	32,100
Assessment Science	210,839	261,003	277,861
Archiving and Support	14,550	13,885	13,456
Delivery Environments	12,650	11,000	10,972
Weapons Survivability	17,323	13,500	13,987
Studies and Assessments	0	0	2,093
Aging and Lifetimes	16,393	14,000	14,300
Stockpile Responsiveness	19,040	17,733	16,921
Advanced Certification and Qualification	17,000	19,000	18,055
Engineering and Integrated Assessments	96,956	89,118	89,784
Inertial Confinement Fusion	355,180	355,180	335,987
Surety Technologies	10,000	9,058	8,500
Weapon Technology Development	11,150	6,250	6,205
Advanced Manufacturing Development	19,149	16,491	20,179
Weapons Technology and Manufacturing Maturation	40,299	31,799	34,884
Advanced Simulation and Computing	178,024	178,024	194,959
18-D-620, Exascale Computing Facility Modernization Project, LLNL	29,200	29,200	194,939
Advanced Simulation & Computing	207,224	207,224	194,959

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Stockpile Research, Technology, and Engineering	910,498	944,324	933,475
Operations of Facilities	82,087	80,000	82,000
Safety and Environmental Operations	36,777	32,744	37,871
Maintenance and Repair of Facilities	37,483	35,000	37,000
Infrastructure and Safety	113,584	82,734	94,410
Recapitalization	113,584	82,734	94,410
Operating	269,931	230,478	251,281
22-D-514 Digital Infrastructure Capability Expansion, LLNL	0	0	67,300
15-D-612, Emergency Operations Center, LLNL	27,000	27,000	0
Mission Enabling Construction	27,000	27,000	67,300
I&O - Construction	27,000	27,000	67,300
Infrastructure and Operations	296,931	257,478	318,581
Operations and Maintenance - DNS	69,430	69,430	80,238
Defense Nuclear Security (DNS)	69,430	69,430	80,238
Information Technology and Cyber Security	31,435	29,965	44,836
Conversion	500	0	0
Nuclear Material Removal	0	200	0
Material Disposition	0	100	100
Material Management and Minimization	500	300	100
International Nuclear Security	4,515	9,487	4,642
Radiological Security	5,059	6,041	4,504
Nuclear Smuggling Detection and Deterrence	4,117	2,000	4,190
Global Material Security	13,691	17,528	13,336
Nonproliferation & Arms Control	25,234	25,234	31,996
Proliferation Detection R&D	38,559	43,087	43,353
Nuclear Detonation Detection	22,742	17,042	23,397
Forensics R&D	12,422	10,514	12,422
Nonproliferation Stewardship Program	6,950	12,500	13,049
Defense Nuclear Nonproliferation R&D	80,673	83,143	92,221
NNSA Bioassurance Program	0	0	5,000
Emergency Operations	637	450	450
Counterterrorism and Counterproliferation	76,243	69,232	81,954
Nuclear Counterterrorism & Incident Response	76,880	69,682	82,404
Program Direction - National Nuclear Security Administration	17,874	19,096	19,821
Research - Advanced Scientific Computing Research	246,215	224,777	226,917
Advanced Scientific Computing Research	246,215	224,777	226,917
Research - Basic Energy Sciences	364,831	390,763	362,830
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	1,000	1,000	10,000
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	62,000	75,100	135,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	52,000	50,000	90,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	33,000	28,100	0
Construction - Basic Energy Sciences	148,000	154,200	235,000
Basic Energy Sciences	512,831	544,963	597,830
Research - Biological & Environmental Research	214,303	218,834	216,725
Biological and Environmental Research	214,303	218,834	216,725
Research - Fusion Energy Sciences	90,435	87,871	87,208
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	15,000	5,000	1,000
Construction - Fusion Energy Sciences	15,000	5,000	1,000
Fusion Energy Sciences	105,435	92,871	88,208
Research - High Energy Physics	176,580	156,022	166,874

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
High Energy Physics	176,580	156,022	166,874
Operations and Maintenance - Nuclear Physics	25,842	28,564	37,922
Nuclear Physics	25,842	28,564	37,922
Research - Accelerator R&D and Production	0	3,830	623
Accelerator R&D and Production	0	3,830	623
Facilities and Infrastructure (SLI)	0	0	5,500
20-SC-72, Seismic and Safety Modernization, LBNL	5,000	27,500	27,500
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	11,000	12,000	30,000
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	500	500	23,425
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	500	500	25,425
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	20,000	35,000	45,000
Construction - Science Laboratories Infrastructure	37,000	75,500	151,350
Science Laboratories Infrastructure	37,000	75,500	156,850
Safeguards and Security - SC	11,589	11,589	22,340
Program Direction - SC	6,027	6,027	6,538
Vehicle Technologies	25,436	27,155	28,690
Bioenergy Technologies	13,015	13,015	10,100
Hydrogen and Fuel Cells Technologies	7,935	6,900	7,300
Sustainable Transportation	46,386	47,070	46,090
Solar Energy Technologies	167,338	167,338	348,620
Wind Energy Technologies	2,555	4,664	7,319
Geothermal Technologies	2,300	3,550	0
Renewable Power	172,193	175,552	355,939
Advanced Manufacturing	15,372	31,300	43,500
Building Technologies	37,809	37,966	37,037
Federal Energy Management Program (EERE)	4,000	2,000	0
Weatherization Assistance Program (EERE)	33,150	8,350	0
Training and Technical Assistance (EERE)	75	200	0
State Energy Program Grants (EERE)	4,267	4,592	0
Weatherization and Intergovernmental Programs	37,492	13,142	0
Energy Efficiency	94,673	84,408	80,537
Strategic Programs	1,300	300	1,300
Corporate Support	1,300	300	1,300
Transmission Reliability and Resilience	9,330	0	5,700
Energy Delivery Grid Operations Technology	0	0	8,000
Resilient Distribution Systems	2,898	0	2,200
Energy Storage R&D	216	0	0
Energy Storage	216	0	0
Transformer Resilience and Advanced Components	80	0	0
Transmission Permitting and Technical Assistance	250	0	0
Cybersecurity for Energy Delivery Systems	4,000	4,000	0
Infrastructure Security and Energy Restoration	5,400	5,400	0
Risk Management Technology and Tools	0	0	5,000
Response and Restoration	0	0	2,300
Information Sharing, Partnerships and Exercises	0	0	2,500
Carbon Capture	1,185	1,185	0
Carbon Storage	4,115	4,115	0
CCS and Power Systems	5,300	5,300	0
Cross Cutting Research	2,040	2,040	0
Advanced Coal Energy Systems & CCUS	2,040	2,040	0

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Advanced Oil and Gas Prod Tech (Unconv FE)	2,924	2,924	0
Natural Gas Technologies Research	500	500	0
Naval Petroleum and Oil Shale Reserve	11,000	11,000	11,004
LWR Sustainability	307	307	0
Advanced Reactor Technologies	50	50	25
Reactor Concepts RD&D	357	357	25
Materials Recovery and Waste Form Development	33	33	51
Accident Tolerant Fuels	345	345	376
Used Nuclear Fuel Disposition R&D	4,050	4,050	4,050
Fuel Cycle Research & Development	4,428	4,428	4,477
Crosscutting Technology Development	330	330	275
Joint Modeling and Simulation Program	200	200	150
Nuclear Energy Enabling Technologies	530	530	425
Strategic Partnership Projects	3,308	3,308	2,250
Strategic Partnership Projects and Revenues	3,308	3,308	2,250
Environment, Health, Safety & Security	3,050	3,050	3,100
Environment, Health, Safety, and Security	3,050	3,050	3,100
Office of Technology Transitions (DA)	160	160	0
Lawrence Livermore National Laboratory (LLNL)	1,764	1,764	1,842
LLNL Excess Facilities D&D	35,000	35,000	12,004
NNSA Sites and Nevada Off-Sites	36,764	36,764	13,846
Small Sites - NDEC	30,100	30,100	0
Grid Planning & Development	0	0	2,000
Grid Technical Assistance	0	0	3,000
Wholesale Electricity Market TA & Grants	0	0	4,300
Interregional & Offshore Transmission Planning	0	0	2,500
Total California	3,869,088	3,911,221	4,333,726

State Table

Colorado FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Colorado			
Research - Basic Energy Sciences	5,742	5,742	5,742
Basic Energy Sciences	5,742	5,742	5,742
Research - Biological & Environmental Research	6,820	6,820	7,868
Biological and Environmental Research	6,820	6,820	7,868
Research - Fusion Energy Sciences	375	375	0
Fusion Energy Sciences	375	375	0
Research - High Energy Physics	2,876	2,968	2,359
High Energy Physics	2,876	2,968	2,359
Research - Accelerator R&D and Production	0	390	0
Accelerator R&D and Production	0	390	0
Vehicle Technologies	34,550	43,460	44,525
Bioenergy Technologies	150,600	156,000	222,500
Hydrogen and Fuel Cells Technologies	75,927	82,000	112,100
Sustainable Transportation	261,077	281,460	379,125
Renewable Energy Grid Integration	0	0	10,000
Wind Energy Technologies	70,636	66,579	234,479
Water Power Technologies	71,656	57,500	99,425
Geothermal Technologies	65,656	91,710	173,000
Renewable Power	207,948	215,789	516,904
Advanced Manufacturing	90,982	288,346	480,500
Building Technologies	52,343	61,708	83,600
Federal Energy Management Program (EERE)	22,000	28,150	0
Weatherization Assistance Program (EERE)	7,657	31,457	0
Training and Technical Assistance (EERE)	3,875	2,900	0
State Energy Program Grants (EERE)	3,521	3,096	0
Weatherization and Intergovernmental Programs	15,053	37,453	0
Energy Efficiency	180,378	415,657	564,100
Program Direction - Energy Efficiency and Renewable Energy	24,516	22,712	36,250
Strategic Programs	5,500	2,000	6,385
Facilities and Infrastructure - NREL	130,000	130,000	210,100
21-EE-001, Energy Materials Processing at Scale (EMAPS)	0	0	60,000
23-TBD, South Table Mountain (STM) Carbon Free District Heating/Cooling	0	0	31,500
Facilities and Infrastructure	130,000	130,000	301,600
Corporate Support	160,016	154,712	344,235
Transmission Reliability and Resilience	4,630	0	1,600
Energy Delivery Grid Operations Technology	0	0	1,000
Resilient Distribution Systems	5,350	0	5,300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	3,000
Energy Storage R&D	258	0	180
Energy Storage	258	0	180
Transformer Resilience and Advanced Components	0	0	1,000
Transmission Permitting and Technical Assistance	3,925	0	0
Program Direction - Electricity	20	0	20
Cybersecurity for Energy Delivery Systems	2,200	2,200	0
Infrastructure Security and Energy Restoration	600	600	0
Risk Management Technology and Tools	0	0	2,900
Response and Restoration	0	0	300
Information Sharing, Partnerships and Exercises	0	0	500
.	-	-	

State Table

Colorado FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
Carbon Utilization	Enacted 2,250	Annualized CR 2,250	Request Detail
CCS and Power Systems	2,250	2,250	(
Cross Cutting Research	306	306	(
Advanced Coal Energy Systems & CCUS	306	306	(
Crosscutting Technology Development	142	142	142
Nuclear Energy Enabling Technologies	142	142	142
Strategic Partnership Projects	500	500	500
Strategic Partnership Projects and Revenues	500	500	500
Legacy Management Activities - Defense	66,976	66,976	82,591
Legacy Management	66,976	66,976	82,591
Office of Technology Transitions (DA)	1,378	1,378	C
Loan Guarantee Program	407	3	3
Administrative Expenses - Tribal Energy Loan Guarantee Program	45	0	C
Closure Sites Administration	1,800	1,800	553
Program Direction - OCED	0	0	3,251
Grid Planning & Development	0	0	5,500
Grid Technical Assistance	0	0	2,600
Program Direction - Grid Deployment Office	0	0	7
Operation And Maintenance - CROM	77,874	77,874	85,229
Construction And Rehabilitation - CROM	26,251	26,251	47,189
Purchase Power And Wheeling - CROM	485,890	485,890	625,405
Program Direction - CROM	253,575	253,575	277,287
Construction, Rehabilitation, Operation, and Maintenance (CROM) - WP	843,590	843,590	1,035,110
Less alternative financing (for O&M) - CROM	-6,297	-6,297	-7,641
Less alternative financing (for Construction) - CROM	-20,353	-20,353	-38,219
Less alternative financing (for PPW) - CROM	-293,890	-293,890	-275,322
Less alternative financing (for PD) - CROM	-48,546	-48,546	-54,868
Less alternative financing - CROM	-369,086	-369,086	-376,050
Purchase Power & Wheeling Financed from Offsetting (P.L. 108-447/109-103)	-192,000	-192,000	-350,083
Offsetting Collections - Colorado River Dam (P.L. 98-381)	-8,378	-8,378	-9,404
Offsetting Collections (for O&M) - CROM	-24,744	-24,744	-29,180
Offsetting Collections (for PD) - CROM	-145,010	-145,010	-171,661
Offsetting Collections - CROM	-370,132	-370,132	-560,328
Falcon And Amistad Operation And Maintenance	7,302	7,545	7,928
Offsetting Collections - Falcon and Amistad Fund	-5,548	-5,580	-6,102
Less alternative financing - Falcon and Amistad Fund	-1,526	-1,737	-1,598
Program Direction - Colorado River Basins Fund	70,316	74,581	79,539
Equipment, Contracts and Related Expenses - Colorado River Basins Fund	174,731	162,709	178,927
Colorado River Basins Fund	245,047	237,290	258,466
Offsetting collections - CRBPMF	-266,447	-258,690	-267,034
Use of Prior Year Balances	-15,000	-15,000	-207,03-
ose of Phot Teal Balances	984,219	1,228,268	2,021,672

State Table

Connecticut FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Connecticut			
Research - High Energy Physics	1,500	1,510	1,010
High Energy Physics	1,500	1,510	1,010
Weatherization Assistance Program (EERE)	3,417	3,417	0
State Energy Program Grants (EERE)	770	770	0
Weatherization and Intergovernmental Programs	4,187	4,187	0
Energy Efficiency	4,187	4,187	0
Energy Storage R&D	0	0	80
Energy Storage	0	0	80
Northeast Home Heating Oil Reserves	1,710	1,710	1,710
Total Connecticut	7,397	7,407	2,800

State Table
Delaware FY 2023
(Dollars in Thousands)

Delaware	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Research - Biological & Environmental Research	750	750	0
Biological and Environmental Research	750	750	0
Weatherization Assistance Program (EERE)	783	783	0
State Energy Program Grants (EERE)	404	404	0
Weatherization and Intergovernmental Programs	1,187	1,187	0
Energy Efficiency	1,187	1,187	0
Total Delaware	1,937	1,937	0

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

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

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Program Direction - National Nuclear Security Administration	317,932	322,125	369,909
Research - Advanced Scientific Computing Research	88,623	0	0
Advanced Scientific Computing Research	88,623	0	0
Research - Basic Energy Sciences	439,674	0	0
Basic Energy Sciences	439,674	0	0
Research - Biological & Environmental Research	7,913	1,743	1,017
Biological and Environmental Research	7,913	1,743	1,017
Research - Fusion Energy Sciences	124,899	0	0
Fusion Energy Sciences	124,899	0	0
Research - High Energy Physics	68,459	235	235
High Energy Physics	68,459	235	235
Operations and Maintenance - Nuclear Physics	67,784	0	0
20-SC-51, U.S. Stable Isotope Production and Research Center, (SIPRC)	0	12,000	12,000
Construction - Nuclear Physics	0	12,000	12,000
Nuclear Physics	67,784	12,000	12,000
Research - Isotope R&D and Production	0	72,000	85,451
Isotope R&D and Production	0	72,000	85,451
Facilities and Infrastructure (SLI)	29,590	0	0
Science Laboratories Infrastructure	29,590	0	0
Safeguards and Security - SC	17,096	0	0
Program Direction - SC	105,832	105,832	114,188
Vehicle Technologies	49,209	47,085	53,500
Bioenergy Technologies	16,835	12,000	40,050
Hydrogen and Fuel Cells Technologies	11,846	9,100	11,100
Sustainable Transportation	77,890	68,185	104,650
Renewable Energy Grid Integration	0	0	47,730
Wind Energy Technologies	14,434	15,269	39,500
Water Power Technologies	44,534	50,299	42,745
Geothermal Technologies	5,111	6,632	4,000
Renewable Power	64,079	72,200	133,975
Advanced Manufacturing	203,546	39,694	27,500
Building Technologies	137,399	108,506	207,195
Federal Energy Management Program (EERE)	4,802	5,000	0
Weatherization Assistance Program (EERE)	750	1,575	0
Training and Technical Assistance (EERE)	550	500	0
State Energy Program Grants (EERE)	2,763	2,677	0
Weatherization and Intergovernmental Programs	4,063	4,752	0
Energy Efficiency	349,810	157,952	234,695
Program Direction - Energy Efficiency and Renewable Energy	129,556	130,816	165,350
Strategic Programs	4,800	11,400	47,900
Corporate Support	134,356	142,216	213,250
Transmission Reliability and Resilience	3	288	245
Energy Delivery Grid Operations Technology	0	0	300
Resilient Distribution Systems	1,754	1,474	2,500
Energy Storage R&D	200	287	600
Energy Storage	200	287	600
Transformer Resilience and Advanced Components	225	228	200
Transmission Permitting and Technical Assistance	1,118	1,082	0
Program Direction - Electricity	13,965	15,390	13,641
Cybersecurity for Energy Delivery Systems	3,783	3,783	0
Systematical Energy Delivery Cyclemic	5,765	3,703	Ü

	EV 2004	EV 2002	EV 2002
	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Infrastructure Security and Energy Restoration	6,800	6,800	Request Detail 0
Risk Management Technology and Tools	0,300	0,000	3,900
Response and Restoration	0	0	2,500
Information Sharing, Partnerships and Exercises	0	0	3,450
Program Direction - CESER	9,250	10,000	20,143
-			20,143
Carbon Litilization	71,163	71,163	0
Carbon Utilization	16,385	16,385	
Carbon Storage	53,433	53,433	0
CCS and Power Systems	140,981	140,981	0
Advanced Energy Systems	67,411	67,411	0
Cross Cutting Research	23,722	23,722	0
Advanced Coal Energy Systems & CCUS	91,133	91,133	0
Mineral Sustainability	35,318	35,318	0
Carbon Dioxide Removal	38,100	38,100	0
Special Recruitment Programs	700	700	0
Import Export Authorization	2,367	2,367	0
Advanced Oil and Gas Prod Tech (Unconv FE)	858	858	0
Natural Gas Technologies Research	30,250	30,250	0
Program Direction - Fossil Energy Field	31,353	31,353	0
Naval Petroleum and Oil Shale Reserve	2,006	2,006	2,000
Strategic Petroleum Reserve (SPR)	8,430	8,430	7,930
Northeast Home Heating Oil Reserves	800	800	960
University Led Research & Development	0	0	133,029
University Scholarships and Fellowships	0	0	9
University Fuel Services (RRI)	0	0	20
Integrated University Program	0	9	0
STEP R&D	689	689	0
Advanced SMR R&D	1,762	1,762	1,000
LWR Sustainability	9,861	9,861	11,415
Advanced Reactor Technologies	15,995	15,995	14,000
Reactor Concepts RD&D	27,618	27,618	26,415
Mining, Conversion, and Transportation	1,100	2,000	1,500
Civilian Nuclear Enrichment	0	40,000	0
Materials Recovery and Waste Form Development	1,038	1,038	1,453
Accident Tolerant Fuels	15,153	15,153	15,133
Triso Fuel and Graphite Qualification	7,938	1,000	1,470
Fuel Cycle Laboratory R&D	2,260	2,260	5,166
HALEU Availability	0	0	3,274
Used Nuclear Fuel Disposition R&D	3,000	3,000	3,000
Integrated Waste Management System	2,800	2,800	11,800
Fuel Cycle Research & Development	33,289	67,251	42,796
Crosscutting Technology Development	6,019	6,019	6,000
Joint Modeling and Simulation Program	4,938	4,938	3,627
Nuclear Science User Facilities	3,112	3,112	4,000
Transformational Challenge Reactor	5,480	5,480	0
Nuclear Energy Enabling Technologies	19,549	19,549	13,627
National Reactor Innovation Center	723	723	0
Demonstration 1 (X-Energy)	2,712	2,712	0
Demonstration 2 (Natrium)	2,865	2,865	0
Risk Reduction for Future Demonstration	40,000	40,000	48,038
Mon Neudolion for Fatare Demonstration	40,000	40,000	40,030

Regulatory Development 1.15 1.15 0.00 Advanced Reactors Safeguards 2.15 2.50 5.00 Advanced Reactors Demonstration Program 4.76 4.76 4.76 4.76 4.76 5.00 Other Project Costs 6.6 6.0		F)/ 000/	F) / 2222	F)/ 0000
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Legacy Management Activities - Defense 35,151 35,151 51,930 Legacy Management 35,151 35,151 51,930 Program Direction - Office of Enterprise Assessments 54,635 54,635 77,941 Office of Enterprise Assessments 24,285 24,285 27,186 Office of Enterprise Assessments 78,920 78,920 85,127 Program Direction - Environment, Health, Safety and Security 72,000 72,000 76,685 Environment, Health, Safety, and Security 117,801 117,801 117,801 199,020 Specialized Security Activities 283,000 283,500 386,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 8,871 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 39,000 63,000 Program Direction - ARPA-E 35,000 35,000 35,000 Energy Information Administration (EIA) 126,800 126,800 14,480	Strategic Partnership Projects	6,722	6,722	0
Legacy Management 35,151 35,151 51,930 Program Direction - Office of Enterprise Assessments 54,635 57,941 Enterprise Assessments 24,285 24,285 27,186 Office of Enterprise Assessments 78,920 78,920 76,820 Office of Enterprise Assessments 78,920 72,000 76,685 Environment Direction - Environment, Health, Safety and Security 117,801 117,801 122,335 Environment, Health, Safety, and Security 189,801 189,801 189,801 199,020 Specialized Security Activities 283,500 283,500 306,067 Office of Technology Transitions (DA) 8,871 8,871 9,749 Office of Technology Transitions (DA) 8,871 8,871 9,749 Program Direction - Indian Energy Program 5,000 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 20,303 ARPA-E Projects 35,000 35,000 35,000 35,000 144,800 Loan Guarantee Program 126,800 126,	Strategic Partnership Projects and Revenues	6,722	6,722	0
Program Direction - Office of Enterprise Assessments 54,635 54,635 57,941 Enterprise Assessments 24,285 24,285 24,285 27,186 Office of Enterprise Assessments 78,920 78,920 36,127 Program Direction - Environment, Health, Safety and Security 72,000 72,000 76,685 Environment, Health, Safety & Security 117,801 117,801 119,002 Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Program 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 63,000 Program Direction - ARPA-E 35,000 35,000 643,000 Program Direction - ARPA-E 35,000 35,000 643,000 Program Direction - ARPA-E 35,000 35,000 144,480 Loan Guarantee Program 1,457 31,277 65,483 <td< td=""><td>Legacy Management Activities - Defense</td><td>35,151</td><td>35,151</td><td>51,930</td></td<>	Legacy Management Activities - Defense	35,151	35,151	51,930
Enterprise Assessments 24,285 24,285 27,186 Office of Enterprise Assessments 78,920 78,920 85,127 Program Direction - Environment, Health, Safety and Security 72,000 72,000 76,685 Environment, Health, Safety, & Security 117,801 117,801 119,002 Environment, Health, Safety, and Security 189,801 189,801 199,002 Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanc	Legacy Management	35,151	35,151	51,930
Office of Enterprise Assessments 78,920 78,920 85,127 Program Direction - Environment, Health, Safety and Security 72,000 72,000 76,685 Environment, Health, Safety & Security 117,801 117,801 122,335 Environment, Health, Safety, and Security 189,801 189,801 189,801 199,020 Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,748 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 5,150 Entry Juliant Energy Information Administration (EIA) 126,800 126,800 144,80 Loan Guarantee Program 1,955 2,000 1,80 Advanced Technology Vehicle Manufacturing Loan Program 1,952 4,552 9,20	Program Direction - Office of Enterprise Assessments	54,635	54,635	57,941
Program Direction - Environment, Health, Safety and Security 72,000 72,000 76,685 Environment, Health, Safety & Security 117,801 117,801 122,335 Environment, Health, Safety, and Security 189,801 189,801 189,000 Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 8,871 Indian Energy Policy & Programs 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 5,150 Energy Information Administration (EIA) 126,800 126,800 144,80 Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 12,979 12,979 103,230 Technology Development and Deployment 30,000 30,000 25,000	Enterprise Assessments	24,285	24,285	27,186
Environment, Health, Safety & Security 117,801 117,801 122,335 Environment, Health, Safety, and Security 189,801 189,801 199,020 Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,955 85,595 89,647 Program Support - Defense Environmental Cleanup 30,000 2,100 2,100	Office of Enterprise Assessments	78,920	78,920	85,127
Environment, Health, Safety, and Security 189,801 189,801 199,020 Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 112,979 103,239 Technology Development and Storage of Elemental Mercury 2,100 2,100 <td>Program Direction - Environment, Health, Safety and Security</td> <td>72,000</td> <td>72,000</td> <td>76,685</td>	Program Direction - Environment, Health, Safety and Security	72,000	72,000	76,685
Specialized Security Activities 283,500 283,500 306,067 Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,80 Loan Guarantee Program 31,457 31,277 65,483 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 <td< td=""><td>Environment, Health, Safety & Security</td><td>117,801</td><td>117,801</td><td>122,335</td></td<>	Environment, Health, Safety & Security	117,801	117,801	122,335
Office Of Hearings And Appeals 4,262 4,262 4,477 Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 5,000 30,000 24,400 Program Direction - OCED 0 0 18	Environment, Health, Safety, and Security	189,801	189,801	199,020
Office of Technology Transitions (DA) 8,871 8,871 9,749 Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 15,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 <t< td=""><td>Specialized Security Activities</td><td>283,500</td><td>283,500</td><td>306,067</td></t<>	Specialized Security Activities	283,500	283,500	306,067
Indian Energy Policy & Programs 17,000 17,000 129,736 Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 30,400 24,400 Program Direction - OCED 0 0	Office Of Hearings And Appeals	4,262	4,262	4,477
Program Direction - Indian Energy Program 5,000 5,000 20,303 ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Office of Technology Transitions (DA)	8,871	8,871	9,749
ARPA-E Projects 392,000 392,000 643,000 Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Indian Energy Policy & Programs	17,000	17,000	129,736
Program Direction - ARPA-E 35,000 35,000 57,150 Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Program Direction - Indian Energy Program	5,000	5,000	20,303
Energy Information Administration (EIA) 126,800 126,800 144,480 Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	ARPA-E Projects	392,000	392,000	643,000
Loan Guarantee Program 31,457 31,277 65,483 Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Program Direction - ARPA-E	35,000	35,000	57,150
Administrative Expenses - Tribal Energy Loan Guarantee Program 1,955 2,000 1,860 Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Energy Information Administration (EIA)	126,800	126,800	144,480
Advanced Technology Vehicle Manufacturing Loan Program 4,622 4,450 9,200 Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Loan Guarantee Program	31,457	31,277	65,483
Program Direction - Defense Environmental Cleanup 85,595 85,595 89,647 Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Administrative Expenses - Tribal Energy Loan Guarantee Program	1,955	2,000	1,860
Program Support - Defense Environmental Cleanup 12,979 12,979 103,239 Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Advanced Technology Vehicle Manufacturing Loan Program	4,622	4,450	9,200
Technology Development and Deployment 30,000 30,000 25,000 Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 24,400 Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Program Direction - Defense Environmental Cleanup	85,595	85,595	89,647
Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 5,000 24,400 Program Direction - OCED 0 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Program Support - Defense Environmental Cleanup	12,979	12,979	103,239
Management and Storage of Elemental Mercury 2,100 2,100 2,100 Uranium Enrichment D&D Fund-U Th Reimbursements 5,000 5,000 5,000 24,400 Program Direction - OCED 0 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Technology Development and Deployment	30,000	30,000	25,000
Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052	Management and Storage of Elemental Mercury	2,100	2,100	2,100
Program Direction - OCED 0 0 18,449 Clean Energy Demonstrations 0 0 164,052				
Clean Energy Demonstrations 0 0 164,052				

State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Grid Planning & Development	0	0	3,200
Grid Technical Assistance	0	0	5,400
Wholesale Electricity Market TA & Grants	0	0	700
Interregional & Offshore Transmission Planning	0	0	2,500
Program Direction - Grid Deployment Office	0	0	4,282
Program Direction - MESC	0	0	6,424
Program Direction - SCEP	0	0	24,727
Program Direction - Office of Inspector General	57,739	57,739	106,808
Total District of Columbia	5,466,435	4,761,937	5,955,118

State Table

Florida FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Florida			
Research - Biological & Environmental Research	1,461	1,461	0
Biological and Environmental Research	1,461	1,461	0
Research - High Energy Physics	4,035	2,341	3,080
High Energy Physics	4,035	2,341	3,080
Research - Accelerator R&D and Production	0	525	0
Accelerator R&D and Production	0	525	0
Weatherization Assistance Program (EERE)	3,293	3,293	0
State Energy Program Grants (EERE)	2,053	2,053	0
Weatherization and Intergovernmental Programs	5,346	5,346	0
Energy Efficiency	5,346	5,346	0
Transmission Reliability and Resilience	200	0	0
Legacy Management Activities - Defense	4,535	4,535	4,164
Legacy Management	4,535	4,535	4,164
Total Florida	15,577	14,208	7,244

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Georgia			
Research - Biological & Environmental Research	2,664	2,664	3,871
Biological and Environmental Research	2,664	2,664	3,871
Research - High Energy Physics	(500	500
High Energy Physics	(500	500
Weatherization Assistance Program (EERE)	4,325	4,325	0
State Energy Program Grants (EERE)	1,319	1,319	0
Weatherization and Intergovernmental Programs	5,644	5,644	0
Energy Efficiency	5,644	5,644	0
Resilient Distribution Systems	170	0	0
Transformer Resilience and Advanced Components	30	0	0
Program Direction - Electricity	27	0	27
Program Direction - Grid Deployment Office	(0	8
Total Georgia	8,535	8,808	4,406

State Table

Guam FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Guam			
Weatherization Assistance Program (EERE)	222	222	0
State Energy Program Grants (EERE)	309	309	0
Weatherization and Intergovernmental Programs	531	531	0
Energy Efficiency	531	531	0
Total Guam	531	531	0

State Table
Hawaii FY 2023
(Dollars in Thousands)

Hawaii	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Research - High Energy Physics	980	1,415	1,523
High Energy Physics	980	1,415	1,523
Weatherization Assistance Program (EERE)	281	281	0
State Energy Program Grants (EERE)	425	425	0
Weatherization and Intergovernmental Programs	706	706	0
Energy Efficiency	706	706	0
Total Hawaii	1,686	2,121	1,523

State Table

Indiana FY 2023 (Dollars in Thousands)

	EV 0004	EV 0000	EV 0000
	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Indiana			
Research - Biological & Environmental Research	882	882	0
Biological and Environmental Research	882	882	0
Research - High Energy Physics	1,470	2,090	1,625
High Energy Physics	1,470	2,090	1,625
Weatherization Assistance Program (EERE)	8,354	8,354	0
State Energy Program Grants (EERE)	1,308	1,308	0
Weatherization and Intergovernmental Programs	9,662	9,662	0
Energy Efficiency	9,662	9,662	0
Total Indiana	12,014	12,634	1,625

State Table

Iowa FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Iowa			
Research - Advanced Scientific Computing Research	10,000	10,000	15,000
Advanced Scientific Computing Research	10,000	10,000	15,000
Research - Basic Energy Sciences	16,782	16,782	16,782
Basic Energy Sciences	16,782	16,782	16,782
Research - Biological & Environmental Research	1,250	1,250	0
Biological and Environmental Research	1,250	1,250	0
Research - Fusion Energy Sciences	275	275	0
Fusion Energy Sciences	275	275	0
Research - High Energy Physics	3,999	3,155	3,287
High Energy Physics	3,999	3,155	3,287
21-SC-73, Ames Infrastructure Modernization	150	0	0
Construction - Science Laboratories Infrastructure	150	0	0
Science Laboratories Infrastructure	150	0	0
Safeguards and Security - SC	1,231	1,231	2,671
Program Direction - SC	664	664	768
Vehicle Technologies	300	300	300
Hydrogen and Fuel Cells Technologies	9,100	200	200
Sustainable Transportation	9,400	500	500
Advanced Manufacturing	25,397	0	0
Weatherization Assistance Program (EERE)	5,894	5,894	0
State Energy Program Grants (EERE)	815	815	0
Weatherization and Intergovernmental Programs	6,709	6,709	0
Energy Efficiency	32,106	6,709	0
Advanced Energy Systems	730	730	0
Cross Cutting Research	806	806	0
Advanced Coal Energy Systems & CCUS	1,536	1,536	0
Crosscutting Technology Development	462	462	500
Nuclear Energy Enabling Technologies	462	462	500
Total Iowa	77,855	42,564	39,508

State Table

Kansas FY 2023 (Dollars in Thousands)

Kansas	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Research - High Energy Physics	1,005	970	546
High Energy Physics	1,005	970	546
Weatherization Assistance Program (EERE)	3,104	3,104	0
State Energy Program Grants (EERE)	715	715	0
Weatherization and Intergovernmental Programs	3,819	3,819	0
Energy Efficiency	3,819	3,819	0
Total Kansas	4,824	4,789	546

State Table

Idaho FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Idaho			
Stockpile Sustainment	200	0	0
Stockpile Management	200	0	0
Tritium Sustainment and Modernization	1,905	2,467	4,887
Tritium and Domestic Uranium Enrichment	1,905	2,467	4,887
Production Modernization	1,905	2,467	4,887
Weapons Survivability	410	0	0
Engineering and Integrated Assessments	410	0	0
Stockpile Research, Technology, and Engineering	410	0	0
Safety and Environmental Operations	975	1,015	1,155
Operating	975	1,015	1,155
Infrastructure and Operations	975	1,015	1,155
Conversion	45,914	34,650	49,850
Nuclear Material Removal	8,685	9,100	13,030
Material Management and Minimization	54,599	43,750	62,880
International Nuclear Security	2,327	5,934	2,392
Radiological Security	10,939	13,100	9,739
Nuclear Smuggling Detection and Deterrence	0	1,675	0
Global Material Security	13,266	20,709	12,131
Nonproliferation & Arms Control	2,146	2,146	2,721
Proliferation Detection R&D	5,945	5,540	6,684
Nonproliferation Fuels Development	8,340	1,508	0
Forensics R&D	937	900	937
Nonproliferation Stewardship Program	450	200	4,993
Defense Nuclear Nonproliferation R&D	15,672	8,148	12,614
Counterterrorism and Counterproliferation	4,890	5,622	6,815
Nuclear Counterterrorism & Incident Response	4,890	5,622	6,815
Naval Reactors Development	105,534	105,534	133,181
S8G Prototype Refueling	738	738	0
Naval Reactors Operations and Infrastructure	183,809	183,809	178,169
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	310,587	310,587	387,541
Construction - Naval Reactors	310,587	310,587	387,541
Program Direction - National Nuclear Security Administration	166	206	6
Research - Advanced Scientific Computing Research	70	0	0
Advanced Scientific Computing Research	70	0	0
Research - Basic Energy Sciences	939	939	939
Basic Energy Sciences	939	939	939
Research - Biological & Environmental Research	0	0	925
Biological and Environmental Research	0	0	925
Research - Fusion Energy Sciences	1,646	1,646	2,800
Fusion Energy Sciences	1,646	1,646	2,800
Vehicle Technologies	9,825	11,460	11,000
Bioenergy Technologies	15,900	15,900	15,000
Hydrogen and Fuel Cells Technologies	4,350	7,600	8,100
Sustainable Transportation	30,075	34,960	34,100
Solar Energy Technologies	80,534	80,534	131,190
Wind Energy Technologies	1,534	1,170	4,394
Water Power Technologies	1,570	4,355	10,232
Geothermal Technologies	100	71	0

State Table

Idaho FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Renewable Power	83,738	86,130	145,816
Advanced Manufacturing	3,939	0	0
Building Technologies	0	815	0
Federal Energy Management Program (EERE)	442	600	0
Weatherization Assistance Program (EERE)	2,429	2,429	0
State Energy Program Grants (EERE)	478	478	0
Weatherization and Intergovernmental Programs	2,907	2,907	0
Energy Efficiency	7,288	4,322	0
Transmission Reliability and Resilience	3,271	0	5,350
Energy Delivery Grid Operations Technology	0	0	700
Resilient Distribution Systems	1,460	0	1,300
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	1,000
Energy Storage R&D	50	0	100
Energy Storage	50	0	100
Transformer Resilience and Advanced Components	190	0	500
Cybersecurity for Energy Delivery Systems	27,780	27,780	0
Infrastructure Security and Energy Restoration	6,300	6,300	0
Risk Management Technology and Tools	0	0	37,000
Response and Restoration	0	0	3,600
Information Sharing, Partnerships and Exercises	0	0	4,000
Carbon Capture	110	110	0
CCS and Power Systems	110	110	0
Advanced Energy Systems	1,603	1,603	0
Cross Cutting Research	641	641	0
Advanced Coal Energy Systems & CCUS	2,244	2,244	0
University Led Research & Development	0	0	4,000
University Scholarships and Fellowships	0	0	5,991
University Fuel Services (RRI)	0	0	17,480
Integrated University Program	5,000	4,991	0
Advanced SMR R&D	112,843	112,843	38,800
LWR Sustainability	29,989	29,989	25,435
Advanced Reactor Technologies	17,403	17,403	16,400
Reactor Concepts RD&D	160,235	160,235	80,635
Mining, Conversion, and Transportation	450	0	0
Materials Recovery and Waste Form Development	21,346	21,346	32,540
Accident Tolerant Fuels	78,368	78,368	85,393
Triso Fuel and Graphite Qualification	26,862	31,550	23,000
Fuel Cycle Laboratory R&D	9,700	9,700	22,601
HALEU Availability	0	0	52,091
Used Nuclear Fuel Disposition R&D	14,575	14,575	4,075
Integrated Waste Management System	3,000	3,000	15,000
Fuel Cycle Research & Development	154,301	158,539	234,700
Crosscutting Technology Development	15,552	15,552	21,203
Joint Modeling and Simulation Program	17,365	17,365	12,600
Nuclear Science User Facilities	26,205	26,205	34,208
Transformational Challenge Reactor	4,922	4,922	0
Nuclear Energy Enabling Technologies	64,044	64,044	68,011
National Reactor Innovation Center	28,499	28,499	69,000
Demonstration 1 (X-Energy)	77,288	77,288	0
Demonstration 2 (Natrium)	77,135	77,135	0

State Table
Idaho FY 2023
(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Risk Reduction for Future Demonstration	0	0	90,000
Regulatory Development	6,002	6,002	2,400
Advanced Reactors Safeguards	1,242	1,242	400
Advanced Reactors Demonstration Program	190,166	190,166	161,800
Other Project Costs	42,935	42,935	44,935
21-E-200, Versatile Test Reactor	2,000	2,000	0
Versatile Advanced Test Reactor R&D	44,935	44,935	44,935
INL Facilities Operations and Maintenance	279,188	279,003	325,989
16-E-200 Sample Preparation Laboratory	26,000	26,000	7,300
Research Reactor Infrastructure	11,480	11,480	0
Infrastructure	316,668	316,483	333,289
Idaho Sitewide Safeguards & Security (050)	149,750	149,575	156,475
International Nuclear Energy Cooperation	0	0	750
Program Direction - Nuclear Energy	31,825	31,825	37,770
Interim Storage	1,000	1,000	0
Strategic Partnership Projects	1,000	1,000	2,000
Strategic Partnership Projects and Revenues	1,000	1,000	2,000
Environment, Health, Safety & Security	550	550	550
Environment, Health, Safety, and Security	550	550	550
Office of Technology Transitions (DA)	1,305	1,305	3,434
Idaho Cleanup and Waste Disposition	430,000	430,000	350,658
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	0	0	8,000
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project	0	0	8,000
23-D-402 - Calcine Construction	0	0	10,000
Construction - Idaho	0	0	26,000
Idaho Community and Regulatory Support	3,500	3,500	2,705
Idaho National Laboratory (INL)	433,500	433,500	379,363
Program Direction - Defense Environmental Cleanup	9,804	9,804	10,284
Small Sites - NDEC	11,000	11,000	11,220
Program Direction - OCED	0	0	250
Total Idaho	2,435,141	2,428,114	2,593,167

State Table

Illinois FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Illinois			
Tritium Sustainment and Modernization	38	40	40
Tritium and Domestic Uranium Enrichment	38	40	40
Production Modernization	38	40	40
Dynamic Materials Properties	3,750	3,250	5,000
Assessment Science	3,750	3,250	5,000
Stockpile Research, Technology, and Engineering	3,750	3,250	5,000
Conversion	18,961	16,562	17,047
Nuclear Material Removal	1,800	550	800
Material Disposition	150	0	100
Laboratory and Partnership Support	2,953	0	0
Material Management and Minimization	23,864	17,112	17,947
Radiological Security	2,548	2,327	2,268
Nuclear Smuggling Detection and Deterrence	324	1,000	330
Global Material Security	2,872	3,327	2,598
Nonproliferation & Arms Control	10,064	10,064	12,761
Proliferation Detection R&D	3,840	3,260	4,318
Nonproliferation Fuels Development	4,400	771	0
Forensics R&D	875	575	876
Nonproliferation Stewardship Program	375	0	383
Defense Nuclear Nonproliferation R&D	9,490	4,606	5,577
Emergency Operations	230	30	50
Counterterrorism and Counterproliferation	3,358	3,358	3,880
Nuclear Counterterrorism & Incident Response	3,588	3,388	3,930
Program Direction - National Nuclear Security Administration	614	690	929
Research - Advanced Scientific Computing Research	162,756	162,254	170,374
Advanced Scientific Computing Research	162,756	162,254	170,374
Research - Basic Energy Sciences	441,685	238,814	222,650
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	160,000	101,000	9,200
Construction - Basic Energy Sciences	160,000	101,000	9,200
Basic Energy Sciences	601,685	339,814	231,850
Research - Biological & Environmental Research	86,940	63,168	65,953
Biological and Environmental Research	86,940	63,168	65,953
Research - Fusion Energy Sciences	42,267	200	330
Fusion Energy Sciences	42,267	200	330
Research - High Energy Physics	346,398	318,227	337,870
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	79,000	90,000	120,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	167,484	170,000	166,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	13,000	2,000
Construction - High Energy Physics	248,484	273,000	288,000
High Energy Physics	594,882	591,227	625,870
Operations and Maintenance - Nuclear Physics	171,506	31,235	34,321
Nuclear Physics	171,506	31,235	34,321
Research - Accelerator R&D and Production	0	0	23
Accelerator R&D and Production	0	0	23
Payment In Lieu of Taxes	1,650	0	0
Facilities and Infrastructure (SLI)	0	11,500	0
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	500	500	8,000
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	500	500	20,000

State Table
Illinois FY 2023
(Dollars in Thousands)

		FY 2021	FY 2022	FY 2023
Construction - Signeric Laboratories Infrastructure 11,250 22,750 20,000 Science Laboratories Infrastructure 13,949 18,149 33,000 Program Scienciny - SC 13,949 7,448 7,449 3,000 Program Direction - SC 7,449 6,640 4,555 4,550 Biomerrey Technologies 12,600 12,635 12,500 Biomer Pyr Technologies 7,412 6,800 7,600 Scide Transportation 68,882 67,700 64,300 Scide Transportation 6,883 6,67,900 6,600 Winter Compty Technologies 2,031 2,001 6,600 Winter Compty Technologies 3,031 6,521 6,600 Winter Compty Technologies 2,031 6,501 1,601 Mustal Cracina Manufacturing 6,036 1,500 1,500 Mustal Cracina Manufacturing 6,031 6,001 1,601 Mustal Cracina Manufacturing 6,031 6,001 1,601 State Energy Polyman Crasta (EERE) 15,51 1,611 1,		Enacted	Annualized CR	Request Detail
Someous Laboratories Inflatinistacium 12,000 22,750 28,000 Sufleganzis and Security - SC 18,944 18,430 3,000 Program Director - SC 7,449 48,305 41,500 Variodic Technologies 12,800 12,800 12,800 Hydrogum and Field Cells Technologies 7,412 6,800 7,000 Sustainable Transportation 68,852 6,779 6,800 Solvie Francy Technologies 2,005 2,005 2,000 Whire Energy Technologies 2,313 2,400 6,600 Warder Power Endologies 1,500 2,601 5,673 Remenable Power 5,343 6,521 1,513 Remenable Power 5,434 6,521 1,513 Advanced Manufacturing 2,581 1,515 1,511 Washing Technologies 2,282 1,550 1,507 Building Technologies 2,282 1,550 1,507 Brown State Energy Program Grants (EERE) 1,511 1,511 0 State Energy Pogram Grants (EERE) <	17-SC-71, Integrated Engineering Research Center, FNAL	10,250	10,250	0
Safesquards and Security - SC 18,494 18,949 33,200 Program Direction - SC 7,449 7,449 6,363 45,604 45,604 45,605 45,604 45,605 45,604 50,005 15,000 7,500 15,000 1	Construction - Science Laboratories Infrastructure	11,250	11,250	28,000
Program Direction - SC 7,449 7,440 8,369 Verlatic Technicipies 45,640 46,350 45,450 Biomeney Technicipies 7,412 6,000 7,730 Hydrogen and Fuel Cells Technicipies 7,412 6,000 7,730 Statishizolic Transportation 65,852 67,700 4,000 Statishizolic Transportation 65,852 7,700 4,000 Wand Energy Technologies 2,005 2,005 2,000 Ward Prower Technologies 3,031 6,521 1,513 Renewable Power 5,343 6,521 1,514 Authorned Manufacturing 6,006 1,000 1,507 Weatherization Asstance Program (EERE) 2,515 2,515 2,617 State Energy Program Grants (EERE) 2,515 2,515 2,618 State Energy Program Grants (EERE) 2,515 2,515 2,618 State Energy Program Grants (EERE) 2,515 2,515 2,615 Tempy Statemann And Interpowermental Program 1,600 2,000 1,500	Science Laboratories Infrastructure	12,900	22,750	28,000
Vehicles Technologies 45,640 43,550 44,500 Biomerty Technologies 12,000 12,635 22,000 Pytrogen and Fuchologies 7,412 8,600 7,300 Sustainable Transportation 68,852 67,700 64,300 Solar Energy Technologies 2,218 2,245 6,600 Ware Power Technologies 3,318 2,405 6,610 Ware Power Technologies 3,243 6,526 6,513 Advanced Manufacturing 6,208 13,500 1,500 Albiding Technologies 2,282 1,550 1,800 Weatherization Assistance Program (EERE) 16,511 16,511 1,800 Weatherization and Intergoveremental Programs 18,62 1,515 0 State Energy Polipum Grants (EERE) 27,150 2,151 2,327 0 1,800 Weatherization and Intergoveremental Programs 1,600 2,150 0 1,500 Strate Energy Pictionery 2,715 2,151 2,325 0 1,500 Energy Efficiency <t< td=""><td>Safeguards and Security - SC</td><td>18,949</td><td>18,949</td><td>33,200</td></t<>	Safeguards and Security - SC	18,949	18,949	33,200
Bionergy Technologies	Program Direction - SC	7,449	7,449	8,530
Phythrogen and Fuel Cellis Technologies	Vehicle Technologies	45,640	48,355	44,500
Sustainable Transportation 66,852 67,709 64,300 Solut Friency Technologies 2,005 2,005 2,005 Water Power Technologies 1,000 2,001 5,73 Mater Power Technologies 5,343 6,521 1,813 Advanced Manufacturing 5,343 6,521 1,813 Advanced Manufacturing 6,208 1,550 1,818 Weatherization Assistance Program (EERE) 1,511 2,151 0 1,801 State Energy Program Grants (EERE) 2,715 2,151 0 0 Brenzy Efficiency 27,15 2,151 0 0 Energy Frogram Grants (EERE) 2,75 2,152 3,307 State Energy Program Grants (EERE) 2,70 2,00 1,500 Corporate Support 2,00 2,00 1,500 Energy Energy Energy Anne 3,00 0 0 1,500 Energy Energy Delivery Grid Operations Technology 3,0 0 0 0 1,500 1,500 1,500 1,500 1,500 <td>Bioenergy Technologies</td> <td>12,800</td> <td>12,635</td> <td>12,500</td>	Bioenergy Technologies	12,800	12,635	12,500
Solar Energy Technologies 2,036 2,025 6,240 Wind Energy Technologies 1,000 2,018 2,405 6,640 Walter Power Technologies 1,000 6,021 15,413 Renewable Power 5,343 6,521 15,413 Advanced Manufacturing 6,206 1,300 1,500 Welding Technologies 2,282 1,550 1,501 Welding Technologies 2,282 1,551 0,807 Watherization Assistance Program (EERE) 16,511 16,511 0 State Energy Program Grants (EERE) 2,716 21,512 3,327 Owatherization and Intergovernmental Programs 800 200 1,500 Energy Elficiency 27,100 21,512 3,327 Strategie Programs 300 0 0 1,500 Corporate Support 3,372 0 3,250 0 1,500 Corporate Support 3,372 0 0 0 1,500 0 1,500 1,500 1,500 1,500 1,	Hydrogen and Fuel Cells Technologies	7,412	6,800	7,300
Wind Energy Technologies 2,318 2,405 6,848 Water Power Technologies 1,000 2,081 5,873 Achanced Manufacturing 6,206 1,000 1,500 Building Technologies 2,282 1,550 1,897 Weatherization Assistance Program (EERE) 16,511 16,511 0 State Energy Program Grants (EERE) 2,151 2,151 0 Weatherization and Intergovernmental Programs 18,662 18,662 0 Energy Efficiency 27,150 21,512 3,397 Strategic Programs 800 200 1,500 Corporate Support 300 200 1,500 Energy Efficiency 3,92 0 0 1,500 Energy Efficiency 3,93 0 0 1,500 Energy Efficiency 3,90 0 0 1,500 Energy Efficiency 1,90 0 0 1,500 Energy Delivery Grid Operations Technology 0 0 0 0 0 1,500	Sustainable Transportation	65,852	67,790	64,300
Water Power Technologies 1,000 2,031 5,874 Renewable Power 5,343 6,521 1,614 Advanced Manufacturing 6,266 1,000 1,500 Building Technologies 2,282 1,550 1,897 Weatherization Assistance Program (EERE) 16,511 6,511 0 Water Power Program Grants (EERE) 2,151 1,611 0 Weatherization and Intergovernmental Programs 18,662 18,662 0 Energy Elliciency 27,150 2,502 3,937 Strategic Programs 800 2,00 1,500 Copporate Support 800 2,00 1,500 Transmission Reliability and Resilience 3,72 0 1,200 Energy Delivery Grid Operations Technology 30 0 1,200 Resilient A Secure Utility Communication Network (SecureNet) 10 0 0 Energy Storage 10 0 0 0 DCEI Energy Mission Assurance 250 0 0 0 Transmission Perm	Solar Energy Technologies	2,025	2,025	2,800
Renewable Power 5,343 6,201 15,010 Advanced Marudacturing 6,206 1,000 1,000 Building Technologies 2,282 1,000 1,897 Weatherization Assistance Program (EERE) 16,511 16,511 0 Weatherization and Infergovernmental Programs 18,682 18,692 0 Keatherization and Infergovernmental Programs 800 20,00 1,300 Weatherization and Infergovernmental Programs 800 200 1,500 Strategic Program 800 200 1,500 Corporate Support 800 200 1,500 Energy Delivery Grid Operations Technology 0 0 0 Energy Delivery Grid Operations Technology 0 0 0 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 0 Energy Storage R&D 100 0 0 0 Energy Storage R&D 10 0 0 0 Energy Storage R&D 30 0 0 0	Wind Energy Technologies	2,318	2,405	6,640
Advanced Marufacturing 6,206 1,300 1,807 Bullding Technologies 2,282 1,550 1,877 Weatherization Assistance Program (EERE) 16,511 16,511 0 State Energy Program Grants (EERE) 2,151 2,151 2,151 2,00 Weatherization and Intergovernmental Programs 18,682 18,682 0 0 Stratego Programs 27,150 2,151 3,377 3,372 3,372 3,372 3,500 1,500	Water Power Technologies	1,000	2,091	5,973
Building Technologies 2,282 1,550 1,831 Weatherization Assistance Program (EERE) 15,51 1,615 0 State Energy Program Grants (EERE) 2,151 2,151 2,151 2,151 2,151 2,150 0 0 0 0 0 0 0 0 0 0 0 0 0 1,502 3,292 0 3,502 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <	Renewable Power	5,343	6,521	15,413
Weatherization Assistance Program (EERE) 16,511 16,511 0 State Energy Program Grants (EERE) 2,151 2,161 0 Weatherization and Intergovermental Programs 18,662 18,662 3,397 Strategic Programs 800 200 1,500 Corporate Support 800 200 1,500 Corporate Support 9,372 0 3,252 Energy Delivery Grid Operations Technology 0 0 0 1,300 Resilient Distribution Systems 1,322 0 1,300 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 0 10 Energy Storage 100 0 0 0 10 10 Energy Storage R&D 100 0 0 0 0 0 10 DCEI Energy Milesion Assurance 500 500 500 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Advanced Manufacturing	6,206	1,300	1,500
State Energy Program Grants (EERE) 2,151 2,151 0 Weatherzation and Intergovernmental Programs 18,662 18,662 0 Energy Efficiency 27,150 21,512 3,397 Strategic Programs 800 2,000 1,500 Corporate Support 800 200 1,500 Transmission Reliability and Resilience 3,972 0 0 3,200 Energy Delway Grid Operations Technology 0 0 0 1,000 Resilient Distribution Systems 1,328 0 1,000 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 0 0 Energy Storage R&D 100 0 <td>Building Technologies</td> <td>2,282</td> <td>1,550</td> <td>1,897</td>	Building Technologies	2,282	1,550	1,897
Weatherization and Intergovermmental Programs 18,662 18,662 3,397 Energy Efficiency 27,100 21,512 3,397 Strategic Programs 800 200 1,500 Corporate Support 800 200 1,500 Transmission Reliability and Resilience 3,972 0 3,250 Energy Delivery Grid Operations Technology 0 0 1,000 Resilient Distribution Systems 1,328 0 1,000 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 0 60 Energy Storage R&D 100 0 0 0 0 100 100 <	Weatherization Assistance Program (EERE)	16,511	16,511	0
Energy Efficiency 27,150 21,512 3,397 Strategic Programs 800 200 1,500 Corporate Support 800 200 1,500 Transmission Reliability and Resilience 3,972 0 3,250 Energy Delivery Grid Operations Technology 0 0 0 Resilient Distribution Systems 1,328 0 1,500 Cyber Resilient & Secure Untility Communication Network (SecureNet) 0 0 0 Energy Storage RAD 100 0 0 0 Energy Storage RAD 100 0 0 0 DCEI Energy Mission Assurance 500 500 0 0 Transmission Premitting and Technical Assistance 250 0	State Energy Program Grants (EERE)	2,151	2,151	0
Strategic Programs 800 200 1,500 Corporate Support 800 200 1,500 Transmission Reliability and Resilience 3,972 0 3,250 Energy Delivery Grid Operations Technology 0 0 1,300 Resilient Distribution Systems 1,328 0 1,300 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 500 Energy Storage R&D 100 0 0 100 Energy Storage 100 0 0 0 DCEI Energy Mission Assurance 500 500 0 0 Transmission Permitting and Technical Assistance 250 0 0 1 Program Direction Electricity 1 0 0 1 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 0 1 Information Sharing, Partnerships and Exercises 0 0 0 2 1 Advanced Ol and Gas Prod Tech (Unconv FE) 150 6 35	Weatherization and Intergovernmental Programs	18,662	18,662	0
Corporate Support 800 200 1,500 Transmission Reliability and Resilience 3,972 0 3,250 Energy Delivery Grid Operations Technology 0 0 1,300 Resilient Distribution Systems 1,328 0 1,500 Cyber Resilient & Secure Utility Communication Network (SecureNet) 10 0 500 Energy Storage R&D 10 0 0 100 Energy Storage R&D 100 0 0 0 DCEI Energy Mission Assurance 500 500 0 DCEI Energy Mission Assurance 250 0 0 Transmission Permitting and Technical Assistance 250 0 0 Program Direction - Electrity 1 0 1 1 Infrastructure Security and Energy Restration 3,300 3,00 3 0 1 Infrastructure Security and Energy Restration 3,00 3 0 1 1 0 1 1 0 1 1 0 1 1 0	Energy Efficiency	27,150	21,512	3,397
Transmission Reliability and Resilience 3,972 0 3,200 Energy Delivery Grid Operations Technology 0 0 1,300 Resilient Distribution Systems 1,328 0 1,300 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 500 Energy Storage R&D 100 0 100 Energy Storage 100 0 100 DCEI Energy Mission Assurance 500 500 0 DCEI Energy Mission Assurance 250 0 0 Program Direction - Electricity 1 0 0 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 1,000 Information Sharing, Partnerships and Exercises 0 0 1,000 Advanced Cil and Gas Prod Tech (Unconv FE) 150 0 0 LURS Sustainability 0 0 0 1,600 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts R&	Strategic Programs	800	200	1,500
Energy Delivery Grid Operations Technology 0 1,308	Corporate Support	800	200	1,500
Resilient Distribution Systems 1,328 0 1,300 Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 0 500 Energy Storage R&D 100 0 100 DCEI Energy Mission Assurance 100 500 0 DCEI Energy Mission Assurance 250 0 0 DCEI Energy Mission Assurance 250 0 0 Transmission Permitting and Technical Assistance 250 0 0 Program Direction - Electricity 1 0 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 Information Sharing, Partnerships and Exercises 0 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 0 250 Advanced Ageactor Technologies 6,385 6,385 7,500 7,500 Materials Recovery and Waste Form Development 1,060 1,060 1,625 4,626 Accident Tolerant Fuels 2,10 2,40 2,630 3,80 1,800	Transmission Reliability and Resilience	3,972	0	3,250
Cyber Resilient & Secure Utility Communication Network (SecureNet) 0 500 Energy Storage R&D 100 0 100 Energy Storage 100 0 100 DCEI Energy Mission Assurance 500 500 0 DCEI Energy Mission Assurance 200 500 0 Program Direction - Electricity 1 0 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 0 1,000 Infrastructure Security and Energy Restoration 3,300 3,000 1,000 Response and Restoration 0 0 0 1,000 Information Sharing, Partnerships and Exercises 0 0 0 1,000 Advanced Oil and Gas Prod Tech (Unconv FE) 150 0 0 2,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	Energy Delivery Grid Operations Technology	0	0	1,300
Energy Storage R&D 100 0 100 Energy Storage 100 0 100 DCEI Energy Mission Assurance 500 500 0 Transmission Permitting and Technical Assistance 250 0 0 Program Direction - Electricity 1 0 0 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 0 1,700 Information Sharing, Partnerships and Exercises 0 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 0 2 LWR Sustainability 0 0 0 0 5 0 0 0 5 0	Resilient Distribution Systems	1,328	0	1,300
Energy Storage 100 0 100 DCEI Energy Mission Assurance 500 500 0 Transmission Permitting and Technical Assistance 250 0 0 Program Direction - Electricity 1 0 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 1,700 Information Sharing, Partnerships and Exercises 0 0 1,700 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,500 Materials Recovery and Waste Form Development 1,660 1,606 1,625 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management	Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	500
DCEI Energy Mission Assurance 500 500 0 Transmission Permitting and Technical Assistance 250 0 0 Program Direction - Electricity 1 0 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 1,900 Information Sharing, Partnerships and Exercises 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,500 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 21 2 1 3 Tisos Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 2,440 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Int	Energy Storage R&D	100	0	100
Transmission Permitting and Technical Assistance 250 0 0 Program Direction - Electricity 1 0 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 1,700 Information Sharing, Partnerships and Exercises 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 0 250 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,500 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 5,320 5,770 11,171 Cro	Energy Storage	100	0	100
Program Direction - Electricity 1 0 1 Infrastructure Security and Energy Restoration 3,300 3,300 0 Response and Restoration 0 0 1,700 Information Sharing, Partnerships and Exercises 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,500 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 20 20 1,100 Fuel Cycle Research & Development 5,20 5,770 11,171	DCEI Energy Mission Assurance	500	500	0
Infrastructure Security and Energy Restoration 3,300 3,300 1,700 Response and Restoration 0 0 1,700 Information Sharing, Partnerships and Exercises 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,750 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 Integrated Waste Management System 200 2,770 11,711 Crosscutting Technology Development 5,320 5,770 11,171 Locidear Science User Facilities 202 202 302 Joint Modeling and	Transmission Permitting and Technical Assistance	250	0	0
Response and Restoration 0 0 1,700 Information Sharing, Partnerships and Exercises 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,500 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nucle	Program Direction - Electricity	1	0	1
Information Sharing, Partnerships and Exercises 0 0 1,900 Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,750 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 5,909 5,909 4,800 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302	Infrastructure Security and Energy Restoration	3,300	3,300	0
Advanced Oil and Gas Prod Tech (Unconv FE) 150 150 0 LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 6,750 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Response and Restoration	0	0	1,700
LWR Sustainability 0 0 250 Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,750 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Information Sharing, Partnerships and Exercises	0	0	1,900
Advanced Reactor Technologies 6,385 6,385 7,500 Reactor Concepts RD&D 6,385 6,385 7,750 Materials Recovery and Waste Forn Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 6,102	Advanced Oil and Gas Prod Tech (Unconv FE)	150	150	0
Reactor Concepts RD&D 6,385 6,385 7,750 Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 6,102	LWR Sustainability	0	0	250
Materials Recovery and Waste Form Development 1,060 1,060 1,625 Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Advanced Reactor Technologies	6,385	6,385	7,500
Accident Tolerant Fuels 120 120 131 Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 6,102	Reactor Concepts RD&D	6,385	6,385	7,750
Triso Fuel and Graphite Qualification 0 450 330 Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Materials Recovery and Waste Form Development	1,060	1,060	1,625
Fuel Cycle Laboratory R&D 2,440 2,440 5,685 Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Accident Tolerant Fuels	120	120	131
Used Nuclear Fuel Disposition R&D 1,500 1,500 1,500 Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Triso Fuel and Graphite Qualification	0	450	330
Integrated Waste Management System 200 200 1,900 Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Fuel Cycle Laboratory R&D	2,440	2,440	5,685
Fuel Cycle Research & Development 5,320 5,770 11,171 Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Used Nuclear Fuel Disposition R&D	1,500	1,500	1,500
Crosscutting Technology Development 825 825 1,000 Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Integrated Waste Management System	200	200	1,900
Joint Modeling and Simulation Program 5,909 5,909 4,800 Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Fuel Cycle Research & Development	5,320	5,770	11,171
Nuclear Science User Facilities 202 202 302 Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Crosscutting Technology Development	825	825	1,000
Transformational Challenge Reactor 1,100 1,100 0 Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Joint Modeling and Simulation Program	5,909	5,909	4,800
Nuclear Energy Enabling Technologies 8,036 8,036 6,102	Nuclear Science User Facilities	202	202	302
	Transformational Challenge Reactor	1,100	1,100	0
National Reactor Innovation Center 391 391 4,000	Nuclear Energy Enabling Technologies	8,036	8,036	6,102
	National Reactor Innovation Center	391	391	4,000

State Table
Illinois FY 2023
(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Regulatory Development	4,760	4,760	3,700
Advanced Reactors Safeguards	700	700	250
Advanced Reactors Demonstration Program	5,851	5,851	7,950
International Nuclear Energy Cooperation	0	0	250
Program Direction - Nuclear Energy	10	10	0
Interim Storage	500	500	0
Strategic Partnership Projects	100	100	100
Strategic Partnership Projects and Revenues	100	100	100
Environment, Health, Safety & Security	995	995	995
Environment, Health, Safety, and Security	995	995	995
Office of Technology Transitions (DA)	110	110	0
Advanced Technology Vehicle Manufacturing Loan Program	328	550	600
Grid Technical Assistance	0	0	500
Total Illinois	1,889,995	1,407,803	1,377,312

State Table

Kentucky FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Kentucky			
Weatherization Assistance Program (EERE)	5,583	5,583	0
State Energy Program Grants (EERE)	908	908	0
Weatherization and Intergovernmental Programs	6,491	6,491	0
Energy Efficiency	6,491	6,491	0
Environment, Health, Safety & Security	200	200	200
Environment, Health, Safety, and Security	200	200	200
Program Direction - Defense Environmental Cleanup	14,357	14,357	15,015
Safeguards and Security - Defense Environmental Cleanup	16,206	16,206	16,206
Gaseous Diffusion Plants	57,580	57,580	63,421
Paducah Gaseous Diffusion Plant (D&D Fund)	240,000	240,000	199,269
Pension and Community and Regulatory Support	2,099	2,099	2,782
Total Kentucky	336,933	336,933	296,893

State Table

Maine FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Maine			
Weatherization Assistance Program (EERE)	3,750	3,750	0
State Energy Program Grants (EERE)	495	495	0
Weatherization and Intergovernmental Programs	4,245	4,245	0
Energy Efficiency	4,245	4,245	0
Northeast Gasoline Supply Reserve	0	0	2,638
Total Maine	4,245	4,245	2,638

State Table

Louisiana FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Louisiana			
Research - High Energy Physics	300	300	300
High Energy Physics	300	300	300
Weatherization Assistance Program (EERE)	1,894	1,894	0
State Energy Program Grants (EERE)	1,216	1,216	0
Weatherization and Intergovernmental Programs	3,110	3,110	0
Energy Efficiency	3,110	3,110	0
Program Direction - Electricity	7	0	7
SPR - Petroleum Account	1,000	1,000	8,000
Strategic Petroleum Reserve (SPR)	161,157	161,157	163,379
Program Direction - Grid Deployment Office	0	0	2
Total Louisiana	165,574	165,567	171,688

State Table
Maryland FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Manufacid	Enacled	Allitualized CK	Request Detail
Maryland			
Research - Advanced Scientific Computing Research	2,038	1,120	1,120
Advanced Scientific Computing Research	2,038	1,120	1,120
Research - Biological & Environmental Research	2,304	2,304	201
Biological and Environmental Research	2,304	2,304	201
Research - Fusion Energy Sciences	685	685	0
Fusion Energy Sciences	685	685	0
Research - High Energy Physics	1,419	0	785
High Energy Physics	1,419	0	785
Weatherization Assistance Program (EERE)	3,494	3,494	0
State Energy Program Grants (EERE)	992	992	0
Weatherization and Intergovernmental Programs	4,486	4,486	0
Energy Efficiency	4,486	4,486	0
Resilient Distribution Systems	154	0	0
Energy Storage R&D	2	0	0
Energy Storage	2	0	0
Transformer Resilience and Advanced Components	47	0	0
Clean Energy Demonstrations	0	0	12,500
Total Maryland	11,135	8,595	14,606

State Table

Massachusetts FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Massachusetts	Litacieu	Allitualized Cit	Request Detail
Research - Advanced Scientific Computing Research	181	0	0
Advanced Scientific Computing Research	181	0	0
Research - Biological & Environmental Research	3,000	3,000	4,198
•	3,000	3,000	4,198
Biological and Environmental Research	,	ŕ	ŕ
Research - Fusion Energy Sciences	3,158	3,158	5,952
Fusion Energy Sciences	3,158	3,158	5,952
Research - High Energy Physics	11,927	11,815	9,868
High Energy Physics	11,927	11,815	9,868
Weatherization Assistance Program (EERE)	8,041	8,041	0
State Energy Program Grants (EERE)	1,157	1,157	0
Weatherization and Intergovernmental Programs	9,198	9,198	0
Energy Efficiency	9,198	9,198	0
Resilient Distribution Systems	200	0	0
Energy Storage R&D	1,059	0	0
Energy Storage	1,059	0	0
Transformer Resilience and Advanced Components	38	0	0
Program Direction - Electricity	1	0	1
Northeast Gasoline Supply Reserve	0	0	4,967
Northeast Home Heating Oil Reserves	2,118	2,118	2,458
Total Massachusetts	30,880	29,289	27,444

State Table
Michigan FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Michigan			
Research - Advanced Scientific Computing Research	277	0	0
Advanced Scientific Computing Research	277	0	0
Research - Biological & Environmental Research	2,502	2,502	950
Biological and Environmental Research	2,502	2,502	950
Research - High Energy Physics	872	1,910	3,106
High Energy Physics	872	1,910	3,106
14-SC-50, Facility for Rare Isotope Beams, MSU	5,300	0	0
Construction - Nuclear Physics	5,300	0	0
Nuclear Physics	5,300	0	0
Research - Accelerator R&D and Production	0	0	370
Accelerator R&D and Production	0	0	370
Weatherization Assistance Program (EERE)	19,094	19,094	0
State Energy Program Grants (EERE)	1,766	1,766	0
Weatherization and Intergovernmental Programs	20,860	20,860	0
Energy Efficiency	20,860	20,860	0
Program Direction - Electricity	708	0	692
Program Direction - Grid Deployment Office	0	0	217
Total Michigan	30,519	25,272	5,335

State Table

Minnesota FY 2023 (Dollars in Thousands)

· ·	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Minnesota			
Research - High Energy Physics	1,055	2,638	1,998
High Energy Physics	1,055	2,638	1,998
Weatherization Assistance Program (EERE)	11,722	11,722	0
State Energy Program Grants (EERE)	1,130	1,130	0
Weatherization and Intergovernmental Programs	12,852	12,852	0
Energy Efficiency	12,852	12,852	0
Total Minnesota	13,907	15,490	1,998

State Table

Mississippi FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Mississippi			
Research - Fusion Energy Sciences	200	0	0
Fusion Energy Sciences	200	0	0
Research - High Energy Physics	800	800	800
High Energy Physics	800	800	800
Weatherization Assistance Program (EERE)	2,034	2,034	0
State Energy Program Grants (EERE)	676	676	0
Weatherization and Intergovernmental Programs	2,710	2,710	0
Energy Efficiency	2,710	2,710	0
Total Mississippi	3,710	3,510	800

State Table

Missouri FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Missouri			
B61-12 LEP	275,000	241,607	250,821
W88 ALT 370	109,310	76,846	44,500
W80-4 LEP	166,147	163,131	207,889
W87-1 Modification Program	40,000	43,124	92,294
W93 Program	2,000	2,000	10,000
Stockpile Major Modernization	592,457	526,708	605,504
Stockpile Sustainment	130,650	132,703	166,380
Weapons Dismantlement and Disposition	100	400	350
Production Operations	85,848	91,013	113,419
Nuclear Enterprise Assurance	0	0	8,173
Stockpile Management	809,055	750,824	893,826
Enterprise Plutonium Support	8,968	7,993	12,798
Plutonium Modernization	8,968	7,993	12,798
Primary Capability Modernization	8,968	7,993	12,798
Uranium Modernization	0	0	560
Secondary Capability Modernization	0	0	560
Non-Nuclear Capability Modernization	40,150	46,171	44,311
Total, Non-Nuclear Capability Modernization	40,150	46,171	44,311
Capability Based Investments	14,050	5,697	8,000
Production Modernization	63,168	59,861	65,669
Archiving and Support	100	220	327
Delivery Environments	424	0	0
Aging and Lifetimes	2,137	2,784	2,500
Stockpile Responsiveness	5,393	5,498	5,246
Advanced Certification and Qualification	3,030	2,900	2,756
Engineering and Integrated Assessments	11,084	11,402	10,829
Surety Technologies	3,217	4,000	4,400
Weapon Technology Development	4,210	4,097	4,067
Advanced Manufacturing Development	18,959	19,311	19,379
Weapons Technology and Manufacturing Maturation	26,386	27,408	27,846
Advanced Simulation and Computing	3,500	3,500	3,500
Advanced Simulation & Computing	3,500	3,500	3,500
Stockpile Research, Technology, and Engineering	40,970	42,310	42,175
Operations of Facilities	108,654	110,000	95,000
Safety and Environmental Operations	7,257	9,014	3,379
Maintenance and Repair of Facilities	32,101	35,000	22,000
Infrastructure and Safety	36,414	48,815	64,595
Recapitalization	36,414	48,815	64,595
Operating	184,426	202,829	184,974
Infrastructure and Operations	184,426	202,829	184,974
STA Operations and Equipment	28,329	37,597	49,521
Secure Transportation Asset	28,329	37,597	49,521
Operations and Maintenance - DNS	17,560	17,560	22,303
Defense Nuclear Security (DNS)	17,560	17,560	22,303
Information Technology and Cyber Security	27,162	25,321	18,555
Material Disposition	3,777	3,500	4,030
Material Management and Minimization	3,777	3,500	4,030
International Nuclear Security	60	0	62

State Table

Missouri FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Global Material Security	60	0	62
Nonproliferation & Arms Control	2,960	2,960	3,753
Proliferation Detection R&D	1,050	1,000	1,181
Nonproliferation Stewardship Program	0	200	0
Defense Nuclear Nonproliferation R&D	1,050	1,200	1,181
Counterterrorism and Counterproliferation	34,093	30,769	44,443
Nuclear Counterterrorism & Incident Response	34,093	30,769	44,443
Program Direction - National Nuclear Security Administration	7,450	8,140	9,774
Research - Biological & Environmental Research	5,178	5,178	0
Biological and Environmental Research	5,178	5,178	0
Research - High Energy Physics	0	100	375
High Energy Physics	0	100	375
Weatherization Assistance Program (EERE)	7,388	7,388	0
State Energy Program Grants (EERE)	1,079	1,079	0
Weatherization and Intergovernmental Programs	8,467	8,467	0
Energy Efficiency	8,467	8,467	0
Legacy Management Activities - Defense	4,092	4,092	5,131
Legacy Management	4,092	4,092	5,131
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Total Missouri	1,237,807	1,200,718	1,345,782

State Table

Montana FY 2023 (Dollars in Thousands)

Montana	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Research - Biological & Environmental Research	1,480	1,480	1,529
Biological and Environmental Research	1,480	1,480	1,529
Weatherization Assistance Program (EERE)	2,981	2,981	0
State Energy Program Grants (EERE)	439	439	0
Weatherization and Intergovernmental Programs	3,420	3,420	0
Energy Efficiency	3,420	3,420	0
Total Montana	4,900	4,900	1,529

State Table
Nebraska FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Nebraska			
Research - Biological & Environmental Research	876	876	0
Biological and Environmental Research	876	876	0
Research - High Energy Physics	97	0	0
High Energy Physics	97	0	0
Weatherization Assistance Program (EERE)	3,020	3,020	0
State Energy Program Grants (EERE)	579	579	0
Weatherization and Intergovernmental Programs	3,599	3,599	0
Energy Efficiency	3,599	3,599	0
Total Nebraska	4,572	4,475	0

State Table
New Hampshire FY 2023
(Dollars in Thousands)

New Hampshire	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Research - Biological & Environmental Research	0	0	415
Biological and Environmental Research	0	0	415
Weatherization Assistance Program (EERE)	1,901	1,901	0
State Energy Program Grants (EERE)	473	473	0
Weatherization and Intergovernmental Programs	2,374	2,374	0
Energy Efficiency	2,374	2,374	0
Total New Hampshire	2,374	2,374	415

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
New Jersey			
Proliferation Detection R&D	760	460	855
Defense Nuclear Nonproliferation R&D	760	460	855
Research - Advanced Scientific Computing Research	400	0	0
Advanced Scientific Computing Research	400	0	0
Research - Biological & Environmental Research	1,597	1,597	1,199
Biological and Environmental Research	1,597	1,597	1,199
Research - Fusion Energy Sciences	65,622	65,622	55,337
Fusion Energy Sciences	65,622	65,622	55,337
Research - High Energy Physics	1,342	2,150	2,151
High Energy Physics	1,342	2,150	2,151
21-SC-71, Princeton Plasma Innovation Center, PPPL	150	900	10,000
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	150	2,000	4,000
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	13,000	6,400	0
Construction - Science Laboratories Infrastructure	13,300	9,300	14,000
Science Laboratories Infrastructure	13,300	9,300	14,000
Safeguards and Security - SC	3,358	3,358	6,405
Program Direction - SC	1,991	1,991	2,190
Weatherization Assistance Program (EERE)	6,656	6,656	0
State Energy Program Grants (EERE)	1,475	1,475	0
Weatherization and Intergovernmental Programs	8,131	8,131	0
Energy Efficiency	8,131	8,131	0
Energy Storage R&D	200	0	0
Energy Storage	200	0	0
Program Direction - Electricity	58	0	57
Northeast Gasoline Supply Reserve	0	0	14,110
Northeast Home Heating Oil Reserves	1,872	1,872	1,872
Program Direction - Grid Deployment Office	0	0	18
Total New Jersey	98,631	94,481	98,194

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
New Mexico			
B61-12 LEP	368,119	396,883	192,967
W88 ALT 370	86,466	122,864	63,766
W80-4 LEP	590,853	548,872	583,562
W87-1 Modification Program	234,430	218,230	249,245
W93 Program	44,337	44,500	212,111
Stockpile Major Modernization	1,324,205	1,331,349	1,301,651
Stockpile Sustainment	558,428	571,791	776,680
Weapons Dismantlement and Disposition	1,311	7,788	4,450
Production Operations	205,110	190,524	233,497
Nuclear Enterprise Assurance	0	0	13,347
Stockpile Management	2,089,054	2,101,452	2,329,625
Los Alamos Plutonium Operations	599,592	608,113	755,893
21-D-512, Plutonium Pit Production Project, LANL	226,000	224,000	588,234
15-D-302, TA-55 Reinvestments Project, Phase 3, LANL	30,000	30,000	30,002
07-D-220-04, Transuranic Liquid Waste Facility, LANL	36,687	36,687	24,759
04-D-125, Chemistry and Metallurgy Research Replacement Project, LANL	167,427	167,427	162,012
Los Alamos Plutonium Modernization	1,059,706	1,066,227	1,560,900
Enterprise Plutonium Support	13,718	10,497	2,066
Plutonium Modernization	1,073,424	1,076,724	1,562,966
High Explosives & Energetics	22,800	25,700	30,200
23-D-516, Energetic Materials Characterization Facility, LANL	0	0	19,000
HE & Energistics	22,800	25,700	49,200
Primary Capability Modernization	1,096,224	1,102,424	1,612,166
Uranium Modernization	3,450	3,450	9,100
Depleted Uranium Modernization	3,314	9,142	8,400
Lithium Modernization	0	0	1,000
Secondary Capability Modernization	6,764	12,592	18,500
Tritium Sustainment and Modernization	155,102	105,387	137,107
Tritium and Domestic Uranium Enrichment	155,102	105,387	137,107
Non-Nuclear Capability Modernization	58,753	44,496	62,294
Total, Non-Nuclear Capability Modernization	58,753	44,496	62,294
Capability Based Investments	35,170	37,629	38,500
Planning for Programmatic Construction (Pre-CD-1)	9,047	6,547	0,000
Production Modernization	1,361,060	1,309,075	1,868,567
	87,488	57,300	93,043
Primary Assessment Technologies			
Dynamic Materials Properties	55,400	56,900	57,626
Advanced Diagnostics	15,500	14,600	13,400
Secondary Assessment Technologies	37,260	36,660	32,653
Enhanced Capabilities for Subcritical Experiments	80,332	97,183	111,298
Hydrodynamic and Subcritical Experiment Execution Support	69,094	69,094	53,892
Assessment Science	345,074	331,737	361,912
Archiving and Support	26,614	26,789	25,552
Delivery Environments	25,773	27,180	25,684
Weapons Survivability	39,742	44,467	76,949
Studies and Assessments	0	0	2,843
Aging and Lifetimes	34,309	35,592	33,689
Stockpile Responsiveness	37,705	37,351	37,621
Advanced Certification and Qualification	31,900	30,130	29,291
Engineering and Integrated Assessments	196,043	201,509	231,629
Inertial Confinement Fusion	117,900	117,900	116,500
Surety Technologies	38,118	38,402	36,101

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Weapon Technology Development	113,018	117,046	105,558
Advanced Manufacturing Development	45,342	55,543	57,512
Weapons Technology and Manufacturing Maturation	196,478	210,991	199,171
Academic Programs	101,912	101,912	100,499
Advanced Simulation and Computing	541,840	541,840	530,966
Advanced Simulation & Computing	541,840	541,840	530,966
Stockpile Research, Technology, and Engineering	1,499,247	1,505,889	1,540,677
Operations of Facilities	429,778	414,500	431,000
Safety and Environmental Operations	29,401	27,331	27,951
Maintenance and Repair of Facilities	168,867	169,000	184,000
Infrastructure and Safety	196,751	160,350	170,030
Recapitalization	196,751	160,350	170,030
Operating	824,797	771,181	812,981
23-D-518 Plutonium Modernization Operations & Waste Management Office Bldg, LANL	0	0	48,500
23-D-517 Electrical Power Capacity Upgrade, LANL	0	0	24,000
15-D-611, Emergency Operations Center, SNL	36,000	36,000	0
Mission Enabling Construction	36,000	36,000	72,500
I&O - Construction	36,000	36,000	72,500
Infrastructure and Operations	860,797	807,181	885,481
STA Operations and Equipment	188,741	179,299	156,544
Program Direction - STA - Federal Support	123,357	123,677	129,730
Secure Transportation Asset	312,098	302,976	286,274
Operations and Maintenance - DNS	195,000	195,000	222,834
Defense Nuclear Security (DNS)	195,000	195,000	222,834
Information Technology and Cyber Security	56,194	50,814	62,449
Conversion	1,737	2,930	2,634
Nuclear Material Removal	800	4,700	1,200
Material Disposition	82,330	69,163	114,927
Laboratory and Partnership Support	38,825	0	0
Material Management and Minimization	123,692	76,793	118,761
International Nuclear Security	21,590	22,346	22,196
Radiological Security	153,106	103,478	136,308
Nuclear Smuggling Detection and Deterrence	95,551	91,750	97,240
Global Material Security	270,247	217,574	255,744
Nonproliferation & Arms Control	34,085	34,085	63,217
Proliferation Detection R&D	84,253	81,129	94,723
Nuclear Detonation Detection	199,855	202,474	204,527
Forensics R&D	12,695	12,196	17,695
Nonproliferation Stewardship Program	15,501	10,250	17,844
Defense Nuclear Nonproliferation R&D	312,304	306,049	334,789
NNSA Bioassurance Program	0	0	10,000
18-D-150, Surplus Plutonium Disposition Project, SRS	1,179	305	0
Nonproliferation Construction	1,179	305	0
Counterterrorism and Counterproliferation	131,643	123,097	154,999
Nuclear Counterterrorism & Incident Response	131,643	123,097	154,999
Legacy Contractor Pensions and Settlement Payments - DNN	14,348	14,348	55,708
Program Direction - National Nuclear Security Administration	41,437	38,680	48,172
Research - Advanced Scientific Computing Research	22,605	16,331	17,953
Advanced Scientific Computing Research	22,605	16,331	17,953
Research - Basic Energy Sciences	44,910	47,909	45,560
Basic Energy Sciences	44,910	47,909	45,560
Research - Biological & Environmental Research	48,158	48,158	46,789
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	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Biological and Environmental Research	48,158	48,158	46,789
Research - Fusion Energy Sciences	4,234	4,234	800
Fusion Energy Sciences	4,234	4,234	800
Research - High Energy Physics	3,417	2,150	1,990
High Energy Physics	3,417	2,150	1,990
Operations and Maintenance - Nuclear Physics	8,259	8,752	9,039
Nuclear Physics	8,259	8,752	9,039
Research - Accelerator R&D and Production	0	50	0
Accelerator R&D and Production	0	50	0
Safeguards and Security - SC	248	248	0
Vehicle Technologies	10,556	4,800	4,820
Bioenergy Technologies	14,700	14,700	13,000
Hydrogen and Fuel Cells Technologies	15,926	11,000	12,300
Sustainable Transportation	41,182	30,500	30,120
Solar Energy Technologies	21,686	21,686	40,350
Wind Energy Technologies	10,462	11,491	29,968
Water Power Technologies	8,796	7,565	7,583
Geothermal Technologies	900	3,012	0
Renewable Power	41,844	43,754	77,901
Advanced Manufacturing	2,075	0	0
Building Technologies	618	293	168
Weatherization Assistance Program (EERE)	2,380	2,380	0
State Energy Program Grants (EERE)	538	538	0
Weatherization and Intergovernmental Programs	2,918	2,918	0
Energy Efficiency	5,611	3,211	168
Strategic Programs	250	0	0
Corporate Support	250	0	0
Transmission Reliability and Resilience	6,112	0	5,800
Energy Delivery Grid Operations Technology	0	0	7,500
Resilient Distribution Systems	4,457	0	4,400
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	1,100
Energy Storage R&D	32,458	0	33,000
20-OE-100 Grid Storage Launchpad	32	0	0
Construction - Energy Storage	32	0	0
Energy Storage	32,490	0	33,000
Transformer Resilience and Advanced Components	365	0	1,000
Transmission Permitting and Technical Assistance	290	0	0
Cybersecurity for Energy Delivery Systems	5,237	5,237	0
Infrastructure Security and Energy Restoration	300	300	0
Risk Management Technology and Tools	0	0	6,900
Response and Restoration	0	0	500
Information Sharing, Partnerships and Exercises	0	0	750
Carbon Capture	1,264	1,264	0
Carbon Storage	3,592	3,592	0
CCS and Power Systems	4,856	4,856	0
Advanced Energy Systems	128	128	0
Cross Cutting Research	1,512	1,512	0
Advanced Coal Energy Systems & CCUS	1,640	1,640	0
Advanced Oil and Gas Prod Tech (Unconv FE)	3,079	3,079	0
Strategic Petroleum Reserve (SPR)	3,822	3,822	4,000
STEP R&D	4,311	4,311	0
LWR Sustainability	1,625	1,625	3,900

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Advanced Reactor Technologies	2,452	2,452	3,500
Reactor Concepts RD&D	4,077	4,077	7,400
Accident Tolerant Fuels	4,366	4,366	4,755
Fuel Cycle Laboratory R&D	2,800	2,800	6,524
HALEU Availability	0	0	5,745
Used Nuclear Fuel Disposition R&D	23,000	23,000	20,400
Integrated Waste Management System	4,000	4,000	1,500
Fuel Cycle Research & Development	34,166	34,166	38,924
Crosscutting Technology Development	1,881	1,881	2,400
Joint Modeling and Simulation Program	2,378	2,378	3,250
Nuclear Science User Facilities	252	252	300
Transformational Challenge Reactor	269	269	(
Nuclear Energy Enabling Technologies	4,780	4,780	5,950
Risk Reduction for Future Demonstration	0	0	200
Regulatory Development	300	300	300
Advanced Reactors Safeguards	1,633	1,633	2,450
Advanced Reactors Demonstration Program	1,933	1,933	2,950
Interim Storage	7,000	7,000	(
Oversight Activities Nuclear Waste Disposal	500	500	500
Strategic Partnership Projects	8,918	8,918	4,30
Strategic Partnership Projects and Revenues	8,918	8,918	4,30
Enterprise Assessments	150	150	300
Office of Enterprise Assessments	150	150	300
Environment, Health, Safety & Security	2,305	2,305	2,305
Environment, Health, Safety, and Security	2,305	2,305	2,30
Office of Technology Transitions (DA)	230	230	(
Los Alamos National Laboratory (LANL)	226,000	226,000	286,316
Los Alamos Excess Facilities D&D	0	0	40,519
Sandia National Laboratory (SNL)	4,860	4,860	4,003
NNSA Sites and Nevada Off-Sites	230,860	230,860	330,838
Waste Isolation Pilot Plant (WIPP)	313,260	313,260	371,943
21-D-401 Hoisting Capability Project	10,000	10,000	(
15-D-411 Safety Significant Confinement Ventilation System, WIPP	35,000	35,000	59,073
15-D-412 Exhaust Shaft, WIPP	55,000	55,000	25,000
Construction - Waste Isolation Pilot Plant	100,000	100,000	84,073
Total Waste Isolation Pilot Plant	413,260	413,260	456,016
Program Direction - Defense Environmental Cleanup	20,104	20,104	21,893
Safeguards and Security - Defense Environmental Cleanup	6,806	6,806	11,806
Total New Mexico	8,325,151	8,046,949	9,415,754

State Table
North Carolina FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
North Carolina			
Research - Biological & Environmental Research	675	675	0
Biological and Environmental Research	675	675	0
Research - High Energy Physics	1,835	800	1,620
High Energy Physics	1,835	800	1,620
Weatherization Assistance Program (EERE)	5,642	5,642	0
State Energy Program Grants (EERE)	1,318	1,318	0
Weatherization and Intergovernmental Programs	6,960	6,960	0
Energy Efficiency	6,960	6,960	0
Total North Carolina	9,470	8,435	1,620

State Table

Nevada FY 2023 (Dollars in Thousands)

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

State Table

Nevada FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Nuclear Material Removal	0	100	0
Material Management and Minimization	0	100	0
International Nuclear Security	243	0	250
Radiological Security	857	535	763
Global Material Security	1,100	535	1,013
Nonproliferation & Arms Control	296	296	375
Proliferation Detection R&D	14,985	12,500	16,847
Nuclear Detonation Detection	20,139	25,871	20,719
Forensics R&D	120	906	120
Nonproliferation Stewardship Program	8,000	15,800	14,153
Defense Nuclear Nonproliferation R&D	43,244	55,077	51,839
Emergency Operations	21,609	21,609	50
Counterterrorism and Counterproliferation	44,144	41,767	45,467
Nuclear Counterterrorism & Incident Response	65,753	63,376	45,517
Program Direction - National Nuclear Security Administration	18,353	16,775	19,971
Weatherization Assistance Program (EERE)	1,358	1,358	0
State Energy Program Grants (EERE)	538	538	0
Weatherization and Intergovernmental Programs	1,896	1,896	0
Energy Efficiency	1,896	1,896	0
Program Direction - Nuclear Energy	1,737	1,737	1,897
Environment, Health, Safety & Security	15	15	15
Environment, Health, Safety, and Security	15	15	15
Office of Technology Transitions (DA)	25	25	0
Nevada Site	60,737	60,737	62,652
NNSA Sites and Nevada Off-Sites	60,737	60,737	62,652
Program Direction - Defense Environmental Cleanup	2,621	2,621	3,161
Total Nevada	872,773	861,371	742,170

State Table

North Dakota FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
North Dakota			
Weatherization Assistance Program (EERE)	2,891	2,891	0
State Energy Program Grants (EERE)	442	442	0
Weatherization and Intergovernmental Programs	3,333	3,333	0
Energy Efficiency	3,333	3,333	0
Total North Dakota	3,333	3,333	0

State Table

New York FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
New York			
Inertial Confinement Fusion	82,000	82,000	75,000
Stockpile Research, Technology, and Engineering	82,000	82,000	75,000
Safety and Environmental Operations	464	477	515
Operating	464	477	515
Infrastructure and Operations	464	477	515
Conversion	700	250	300
Material Management and Minimization	700	250	300
Radiological Security	461	205	410
Nuclear Smuggling Detection and Deterrence	1,407	1,012	1,432
Global Material Security	1,868	1,217	1,842
Nonproliferation & Arms Control	2,886	2,886	3,659
Proliferation Detection R&D	5,771	9,093	6,489
Forensics R&D	564	475	564
Defense Nuclear Nonproliferation R&D	6,335	9,568	7,053
Counterterrorism and Counterproliferation	2,672	2,839	3,509
Nuclear Counterterrorism & Incident Response	2,672	2,839	3,509
Naval Reactors Development	210,505	210,505	260,688
Columbia-Class Reactor Systems Development	49,672	49,672	43,656
S8G Prototype Refueling	131,374	131,374	20,000
Naval Reactors Operations and Infrastructure	254,125	254,125	326,316
21-D-530 KL Steam and Condensate Upgrades	4,000	4,000	0
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	5,051	5,051	3,290
Construction - Naval Reactors	9,051	9,051	3,290
Program Direction - National Nuclear Security Administration	6	6	6
Research - Advanced Scientific Computing Research	2,918	1,945	3,408
Advanced Scientific Computing Research	2,918	1,945	3,408
Research - Basic Energy Sciences	167,542	183,954	211,501
Basic Energy Sciences	167,542	183,954	211,501
Research - Biological & Environmental Research	18,053	18,053	18,916
Biological and Environmental Research	18,053	18,053	18,916
Research - Fusion Energy Sciences	5,594	3,185	2,409
Fusion Energy Sciences	5,594	3,185	2,409
Research - High Energy Physics	81,588	74,329	81,256
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	3,516	6,000	10,000
Construction - High Energy Physics	3,516	6,000	10,000
High Energy Physics	85,104	80,329	91,256
Operations and Maintenance - Nuclear Physics	220,175	212,345	213,056
20-SC-52, Electron Ion Collider, BNL	5,000	3,750	20,000
Construction - Nuclear Physics	5,000	3,750	20,000
Nuclear Physics	225,175	216,095	233,056
Research - Accelerator R&D and Production	0	5,747	6,176
Accelerator R&D and Production	0	5,747	6,176
Facilities and Infrastructure (SLI)	0	0	4,000
20-SC-71, Critical Utilities Rehabilitation Project, BNL	20,000	26,000	13,000
19-SC-71, Science User Support Center, BNL	20,000	38,000	0
Construction - Science Laboratories Infrastructure	40,000	64,000	13,000
Science Laboratories Infrastructure	40,000	64,000	17,000
Safeguards and Security - SC	14,233	14,233	21,275

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Program Direction - SC	4,444	4,444	5,343
Vehicle Technologies	2,900	4,675	4,000
Hydrogen and Fuel Cells Technologies	1,000	200	200
Sustainable Transportation	3,900	4,875	4,200
Solar Energy Technologies	1,267	1,267	1,745
Geothermal Technologies	50	25	C
Renewable Power	1,317	1,292	1,745
Building Technologies	700	213	213
Weatherization Assistance Program (EERE)	25,229	25,229	0
State Energy Program Grants (EERE)	2,830	2,830	0
Weatherization and Intergovernmental Programs	28,059	28,059	0
Energy Efficiency	28,759	28,272	213
Transmission Reliability and Resilience	900	0	1,000
Resilient Distribution Systems	4	0	C
Energy Storage R&D	105	0	C
Energy Storage	105	0	C
Transformer Resilience and Advanced Components	1	0	C
Program Direction - Electricity	4	0	4
Accident Tolerant Fuels	656	656	715
Fuel Cycle Laboratory R&D	300	300	699
Fuel Cycle Research & Development	956	956	1,414
Crosscutting Technology Development	17	17	20
Nuclear Energy Enabling Technologies	17	17	20
Advanced Reactors Safeguards	445	445	350
Advanced Reactors Demonstration Program	445	445	350
Strategic Partnership Projects	275	275	1,000
Strategic Partnership Projects and Revenues	275	275	1,000
Environment, Health, Safety & Security	250	250	250
Environment, Health, Safety, and Security	250	250	250
Office of Technology Transitions (DA)	80	80	C
Separations Processing Research Unit	15,000	15,000	15,300
NNSA Sites and Nevada Off-Sites	15,000	15,000	15,300
Safeguards and Security - Defense Environmental Cleanup	4,298	4,298	4,377
West Valley Demonstration Project - NDEC	88,113	88,113	89,882
Program Direction - Grid Deployment Office	0	0	1
Total New York	1,459,145	1,489,828	1,475,930

State Table

Northern Mariana Islands FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Northern Mariana Islands			
Weatherization Assistance Program (EERE)	212	212	0
State Energy Program Grants (EERE)	297	297	0
Weatherization and Intergovernmental Programs	509	509	0
Energy Efficiency	509	509	0
Total Northern Mariana Islands	509	509	0

State Table
Ohio FY 2023
(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Ohio			
Depleted Uranium Modernization	15,00	2,000	30,000
Secondary Capability Modernization	15,00	2,000	30,000
Domestic Uranium Enrichment	28,00	30,000	30,000
Tritium and Domestic Uranium Enrichment	28,00	30,000	30,000
Production Modernization	43,00	32,000	60,000
Research - Biological & Environmental Research	87	3 873	350
Biological and Environmental Research	87	3 873	350
Research - High Energy Physics	2,58	2,746	2,686
High Energy Physics	2,58	2,746	2,686
Payment In Lieu of Taxes	3,00	00 4,820	4,891
Oak Ridge Landlord	5,86	6,430	6,559
Science Laboratories Infrastructure	8,86	11,250	11,450
Safeguards and Security - SC	4,39	7 4,397	5,63
Program Direction - SC	43,48	43,481	45,799
Weatherization Assistance Program (EERE)	16,85	16,856	(
State Energy Program Grants (EERE)	2,00	2,006	(
Weatherization and Intergovernmental Programs	18,86	18,862	(
Energy Efficiency	18,86	18,862	(
Resilient Distribution Systems	2	0 0	(
Legacy Management Activities - Defense	29,64	29,640	28,37
Legacy Management	29,64	29,640	28,37
Environment, Health, Safety & Security	26	34 264	264
Environment, Health, Safety, and Security	26	34 264	264
Closure Sites Administration	3,18	3,187	3,514
Program Direction - Defense Environmental Cleanup	34,04	34,043	37,732
Safeguards and Security - Defense Environmental Cleanup	16,69	16,690	16,690
Gaseous Diffusion Plants	57,97	74 57,974	60,017
Small Sites - NDEC	10,00	0 0	(
Portsmouth Gaseous Diffusion Plant (D&D Fund)	367,19	367,193	432,354
20-U-401 On-site Waste Disposal Facility	16,50	16,500	48,040
15-U-408 On-Site Waste Disposal Facility, Portsmouth	46,63	9 46,639	(
Construction - Uranium D&D Fund	63,13	63,139	48,040
Pension and Community and Regulatory Support	3,86	3,868	2,630
Total Ohio	708,07	1 689,607	755,532

State Table

Oklahoma FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Oklahoma			
Research - High Energy Physics	800	725	785
High Energy Physics	800	725	785
Weatherization Assistance Program (EERE)	3,272	3,272	0
State Energy Program Grants (EERE)	826	826	0
Weatherization and Intergovernmental Programs	4,098	4,098	0
Energy Efficiency	4,098	4,098	0
Operation And Maintenance - SWPA	13,292	13,292	15,517
Construction - SWPA	13,267	13,267	16,035
Purchase Power And Wheeling - SWPA	54,000	54,000	93,000
Program Direction - SWPA	35,635	35,635	38,250
Subtotal, SWPA	116,194	116,194	162,802
Total Oklahoma	121,092	121,017	163,587

State Table
Oregon FY 2023
(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Oregon			
Research - Advanced Scientific Computing Research	220	220	220
Advanced Scientific Computing Research	220	220	220
Research - High Energy Physics	1,170	1,150	1,015
High Energy Physics	1,170	1,150	1,015
Weatherization Assistance Program (EERE)	3,532	3,532	0
State Energy Program Grants (EERE)	732	732	0
Weatherization and Intergovernmental Programs	4,264	4,264	0
Energy Efficiency	4,264	4,264	0
Program Direction - Electricity	304	0	297
Program Direction - Grid Deployment Office	0	0	93
Total Oregon	5,958	5,634	1,625

DEPARTMENT OF ENERGY State Table

Pennsylvania FY 2023 (Dollars in Thousands)

Pennsylvania FY 2022 (Page 10 Mars) Reposit Delimitario 881-12 LEF 5.00 0 <th></th> <th>FV and</th> <th>F) / 0000</th> <th>F)/ 0000</th>		FV and	F) / 0000	F)/ 0000
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Total, Non-Nuclear Capability Modernization 2,400 3,078 3,367 Production Modernization 10,015 9,578 12,467 Archiving and Support 230 592 378 Delivery Environments 307 305 251 Weapons Survivability 588 373 478 Aging and Lifetimes 1,121 215 193 Stockpile Responsiveness 397 398 327 Advanced Certification and Qualification 505 413 327 Engineering and Integrated Assessments 3,148 2,296 1,956 Surety Technologies 1,736 1,903 1,166 Weapon Technology Development 4,438 765 593 Weapons Technology and Manufacturing Maturation 6,494 2,895 2,342 Weapons Technology and Manufacturing Maturation 6,494 2,895 2,342 Advanced Simulation and Computing 0 0 250 Advanced Simulation and Computing 150 0 0 Stockpile Research, Technology				
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Engineering and Integrated Assessments 3,148 2,296 1,954 Surety Technologies 1,736 1,903 1,166 Weapon Technology Development 320 227 583 Advanced Manufacturing Development 4,438 765 593 Weapons Technology and Manufacturing Maturation 6,494 2,895 2,342 Advanced Simulation and Computing 0 0 250 Advanced Simulation & Computing 0 0 250 Stockpile Research, Technology, and Engineering 9,642 5,191 4,546 Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 <td></td> <td></td> <td></td> <td></td>				
Surety Technologies 1,736 1,903 1,168 Weapon Technology Development 320 227 583 Advanced Manufacturing Development 4,438 765 593 Weapons Technology and Manufacturing Maturation 6,494 2,895 2,342 Advanced Simulation and Computing 0 0 250 Advanced Simulation & Computing 0 0 250 Stockpile Research, Technology, and Engineering 9,642 5,191 4,546 Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006				
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Weapons Technology and Manufacturing Maturation 6,494 2,895 2,342 Advanced Simulation and Computing 0 0 250 Advanced Simulation & Computing 0 0 250 Stockpile Research, Technology, and Engineering 9,642 5,191 4,546 Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Weapon Technology Development			583
Advanced Simulation and Computing 0 250 Advanced Simulation & Computing 0 0 250 Stockpile Research, Technology, and Engineering 9,642 5,191 4,546 Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Advanced Manufacturing Development	4,438	765	593
Advanced Simulation & Computing 0 0 250 Stockpile Research, Technology, and Engineering 9,642 5,191 4,546 Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Weapons Technology and Manufacturing Maturation	6,494	2,895	2,342
Stockpile Research, Technology, and Engineering 9,642 5,191 4,546 Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Advanced Simulation and Computing	0	0	250
Safety and Environmental Operations 150 0 0 Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Advanced Simulation & Computing	0	0	250
Operating 150 0 0 Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Stockpile Research, Technology, and Engineering	9,642	5,191	4,546
Infrastructure and Operations 150 0 0 Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Safety and Environmental Operations	150	0	0
Material Disposition 650 750 720 Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Operating	150	0	0
Material Management and Minimization 650 750 720 International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Infrastructure and Operations	150	0	0
International Nuclear Security 763 500 784 Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Material Disposition	650	750	720
Global Material Security 763 500 784 Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Material Management and Minimization	650	750	720
Nonproliferation & Arms Control 104 104 131 Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	International Nuclear Security	763	500	784
Naval Reactors Development 250,006 250,006 389,190 Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Global Material Security	763	500	784
Columbia-Class Reactor Systems Development 15,028 15,028 10,244	Nonproliferation & Arms Control	104	104	131
	Naval Reactors Development	250,006	250,006	389,190
S8G Prototype Refueling 2,888 2,888 0	Columbia-Class Reactor Systems Development	15,028	15,028	10,244
	S8G Prototype Refueling	2,888	2,888	0

DEPARTMENT OF ENERGY State Table

Pennsylvania FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Naval Reactors Operations and Infrastructure	82,713	82,713	188,315
Program Direction - Naval Reactors	20,680	20,680	23,410
23-D-533 BL Component Test Complex	0	0	52,200
14-D-901 Spent Fuel Handling Recapitalization Project, NRF	14,362	14,362	12,234
Construction - Naval Reactors	14,362	14,362	64,434
Program Direction - National Nuclear Security Administration	1,269	113	113
Research - Biological & Environmental Research	0	0	3,495
Biological and Environmental Research	0	0	3,495
Research - Fusion Energy Sciences	362	362	0
Fusion Energy Sciences	362	362	0
Research - High Energy Physics	2,030	5,095	5,660
High Energy Physics	2,030	5,095	5,660
Vehicle Technologies	170,560	145,000	362,421
Bioenergy Technologies	800	800	750
Hydrogen and Fuel Cells Technologies	4,000	16,100	16,100
Sustainable Transportation	175,360	161,900	379,271
Geothermal Technologies	30,553	0	25,000
Renewable Power	30,553	0	25,000
Building Technologies	14,295	3,548	4,790
Weatherization Assistance Program (EERE)	18,126	18,126	0
State Energy Program Grants (EERE)	2,081	2,081	0
Weatherization and Intergovernmental Programs	20,207	20,207	0
Energy Efficiency	34,502	23,755	4,790
Program Direction - Energy Efficiency and Renewable Energy	10,928	11,472	22,874
Strategic Programs	1,500	0	0
Corporate Support	12,428	11,472	22,874
Resilient Distribution Systems	199	0	0
Program Direction - Electricity	11	0	11
Cybersecurity for Energy Delivery Systems	42,000	42,000	0
Infrastructure Security and Energy Restoration	3,800	3,800	0
Risk Management Technology and Tools	0	0	55,000
Response and Restoration	0	0	2,000
Information Sharing, Partnerships and Exercises	0	0	2,300
Program Direction - CESER	2,000	2,000	5,000
STEP Supercritical CO2	14,500	14,500	0
Transformational Coal Pilots	10,000	10,000	0
CCS and Power Systems	24,500	24,500	0
Advanced Energy Systems	20,994	20,994	0
Cross Cutting Research	18,731	18,731	0
Advanced Coal Energy Systems & CCUS	39,725	39,725	0
Advanced Oil and Gas Prod Tech (Unconv FE)	38,489	38,489	0
Natural Gas Technologies Research	25,000	25,000	0
NETL Research and Operations - Fossil Energy	83,000	83,000	0
NETL Infrastructure - Fossil Energy	55,000	55,000	0
Program Direction - Fossil Energy Field	27,780	27,780	0
LWR Sustainability	117	117	0
Advanced Reactor Technologies	100	100	0
Reactor Concepts RD&D	217	217	0
Crosscutting Technology Development	209	209	210
Nuclear Energy Enabling Technologies	209	209	210

State Table

Pennsylvania FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Strategic Partnership Projects	150	150	150
Strategic Partnership Projects and Revenues	150	150	150
Program Direction - Grid Deployment Office	0	0	3
Total Pennsylvania	1,047,698	988,240	1,209,589

State Table

Puerto Rico FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Puerto Rico			
Weatherization Assistance Program (EERE)	1,142	1,142	0
State Energy Program Grants (EERE)	654	654	0
Weatherization and Intergovernmental Programs	1,796	1,796	0
Energy Efficiency	1,796	1,796	0
Total Puerto Rico	1,796	1,796	0

State Table

Rhode Island FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Rhode Island			
Research - Advanced Scientific Computing Research	300	0	0
Advanced Scientific Computing Research	300	0	0
Research - High Energy Physics	1,658	500	1,265
High Energy Physics	1,658	500	1,265
Weatherization Assistance Program (EERE)	1,452	1,452	0
State Energy Program Grants (EERE)	435	435	0
Weatherization and Intergovernmental Programs	1,887	1,887	0
Energy Efficiency	1,887	1,887	0
Total Rhode Island	3,845	2,387	1,265

State Table

South Carolina FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
South Carolina			
B61-12 LEP	7,000	16,200	17,500
W80-4 LEP	2,700	3,204	2,240
W87-1 Modification Program	2,000	2,157	2,972
W93 Program	500	500	1,183
Stockpile Major Modernization	12,200	22,061	23,895
Stockpile Sustainment	43,831	44,177	52,094
Weapons Dismantlement and Disposition	100	700	600
Production Operations	24,736	24,789	25,783
Nuclear Enterprise Assurance	0	0	3,977
Stockpile Management	80,867	91,727	106,349
Savannah River Plutonium Operations	198,875	199,331	56,600
21-D-511, Savannah River Plutonium Processing Facility, SRS	241,896	241,896	700,000
Savannah River Plutonium Modernization	440,771	441,227	756,600
Plutonium Modernization	440,771	441,227	756,600
Primary Capability Modernization	440,771	441,227	756,600
Tritium Sustainment and Modernization	90,504	135,049	125,563
18-D-650, Tritium Finishing Facility, SRS	25,500	25,500	71,800
Tritium and Domestic Uranium Enrichment	116,004	160,549	197,363
Non-Nuclear Capability Modernization	0	100	110
Total, Non-Nuclear Capability Modernization	0	100	110
Capability Based Investments	4,200	6,190	6,900
Production Modernization	560,975	608,066	960,973
Enhanced Capabilities for Subcritical Experiments	0	1,000	1,375
Assessment Science	0	1,000	1,375
Aging and Lifetimes	2,554	2,810	2,700
Engineering and Integrated Assessments	2,554	2,810	2,700
Surety Technologies	349	320	300
Advanced Manufacturing Development	5,050	7,384	7,536
Weapons Technology and Manufacturing Maturation	5,399	7,704	7,836
Stockpile Research, Technology, and Engineering	7,953	11,514	11,911
Operations of Facilities	94,090	94,000	97,000
Safety and Environmental Operations	12,190	12,389	13,265
Maintenance and Repair of Facilities	41,752	40,000	47,000
Infrastructure and Safety	16,767	26,478	27,888
Recapitalization	16,767	26,478	27,888
Operating	164,799	172,867	185,153
Infrastructure and Operations	164,799	172,867	185,153
Operations and Maintenance - DNS	8,520	8,520	9,180
Defense Nuclear Security (DNS)	8,520	8,520	9,180
Information Technology and Cyber Security	6,909	6,824	8,042
Conversion	8,253	3,714	5,777
Nuclear Material Removal	17,723	13,600	15,550
Material Disposition	47,034	42,368	55,861
Laboratory and Partnership Support	1,545	0	0
Material Management and Minimization	74,555	59,682	77,188
International Nuclear Security	131	46	135
Nuclear Smuggling Detection and Deterrence	40	0	41
Global Material Security	171	46	176

DEPARTMENT OF ENERGY State Table

South Carolina FY 2023 (Dollars in Thousands)

Control Processing As Arms Control Enables Result (Control Processing As Arms Control) Result (Control Processing As Arms Control) Result (Control Processing As Arms Control) 1,122 1,126		FY 2021	FY 2022	FY 2023
Neopoliteristication & Airms Control 6,882 6,822 7,272 Pruliferistion Delection RRED 11,207 3,686 12,680 Noncripital RED 1,728 1,580 1,728 Noncripital RED 13,510 13,500 1,514 Horizona Parkader Norprofileration RSD 13,430 140,000 6,744 Horizona Evidence Northeritoria 143,605 142,000 6,764 Northeritoria Evidence Resporse 3,701 3,305 4,605 Nuclear Counterterroriem & Incident Resporse 3,701 3,305 4,605 Research - Stoogleak & Environmental Research 190 110 0 Research - Fusion Energy Sciences 75 75 0 Vehicle Technologies 3,50 3,50 0 Vehicle Technologies 3,50 3,50 0 Vehicle Technologies				
Forensics R&D 1,728 1,560 1,728 Narupolilariston Stewardship Program 57.5 200 5.21 Defense Nuclear Norporlilaration R&D 13,510 15,050 16,046 16-0-10, Suptus Plutonium Disposition Project, SRS 143,655 142,505 66,766 Nuclear Counterterrorism and Counterground Project, SRS 414,565 142,505 40,611 Nuclear Counterterrorism and Counterground Project, SRS 3,701 3,335 4,061 Program Director National Nuclear Security Administration 9,838 9,330 10,871 Research - Biological & Environmental Research 150 150 0 Research - Huison Energy Sciences 75 75 0 Research - Fundo Energy Sciences 75 76 0 Vehicle Technologies 309 500 0 Vehicle Technologies 309 500 0 Vehicle Technologies 2,94 2,94 2,44 Vehicle Technologies 3,94 3,90 3,00 Vehicle Technologies 2,94 2,44 2,4	Nonproliferation & Arms Control	<u> </u>		
Promotion 1,728		11,207	13,456	12,600
Defense Noticer Nonproliferation R&D 13,510 18,360 18,446 Ya D-150, Surplus Phatorium Disposition Project, SRS 143,566 142,566 66,764 Ocurotametion 13,761 3,336 4,061 Ocurotametion and Counterproliferation 3,701 3,336 4,051 Nuterion Counterfrontine and Counterproliferation 9,03 3,936 1,071 Research - Biological & Environmental Research 10 0 0 0 Research - Fusion Energy Steinces 75 75 0 0 Research - Fusion Energy Steinces 75 75 0 0 Vehicle Technologies 30 50 40 0 Vehicle Technologies 1,05 20 0 0 Vestiminato Transportation 1,455 70 0 0 Visition For Temporation 1,455 70 0 0 Visition For Temporation 2,52 3 3 0 0 0 0 0 0 0 0 0 0	Forensics R&D	1,728		1,728
Bether Nuther Nuther Nuthorpilation RBD 15,510 15,500 15,406 78-0-100, Surplus Pilantum Disposition Pigot, SRS 143,566 142,000 60,766 Nurpoilitaristin Construction 143,566 142,000 60,766 Counterferrorism and Counterpoliteration 3,701 3,335 4,051 Nurboral Counterform in Indicated Resports 3,701 3,335 4,051 Nuclear Counterform in Indicated Resports 3,701 3,335 4,051 Resport - Pision Energy Stenese 75 75 70 0 Resport - Fusion Energy Stenese 75 75 70 0 Valuid of Environmental Resporation 1,055 2,000 4,000 Valuid of Enchrologies 3,00 50 4,00 Valuid of Enchrologies 3,00 50 6,00 Statistinable Transportation 1,45 7,00 4,00 Weatherstation Assistance Program (EERE) 2,44 2,44 2,44 Very Statistical Program Grants (EERE) 2,40 3,00 3,00 3,00 State Energy Pro	Nonproliferation Stewardship Program			
18-0-15-05, Surplane Putonium Disposition Project. SRS 143,565 142,505 66,764 Nongrial Infention Construction 13,005 143,005 66,764 Nuclear Counterferrorism & Incident Response 3,701 3,388 4,061 Pogram Direction- National Nucleas Counterferrorism & Incident Response 9,70 9,000 100 0 Please Exercise - Biological & Environmental Research 150 150 0 0 Biological and Environmental Research 150 150 0 0 Plasson Energy Science 75 575 0 0 0 0 Pluston Energy Science 390 500 0	Defense Nuclear Nonproliferation R&D	13,510	15,306	
Nonproliferation Construction 143,585 14,056 Counterprofiferation 3,701 3,385 4,056 Notalisa Counterprofiferation 3,701 3,385 4,056 Program Direction - National Nuclear Security Administration 9,883 9,938 10,871 Research - Biological & Environmental Research 150 155 0 Biological and Envirormental Research 150 150 0 Research - Fusion Energy Steinces 75 75 0 Vehicle Technologies 30 500 400 Vehicle Technologies 30 50 400 Vystoppan and Fuel Cells Technologies 3,08 50 0 Washinetization and Intergovermental Program 4,44 6 0 Washinetization and Intergovermental Programs 3,20 3,20 0 Weatherization and Intergovermental Programs 3,20 3,20 0 HALEU Availability 0 3,0 3,0 0 Hale Cyte Research & Development 5,0 5,0 1,0 Env		143,565		66,764
Counterterrorism and Counterprolleration 3,701 3,385 4,051 Nuclear Counterterrorism & Incident Response 3,701 3,385 4,051 Research - Biological & Environmental Research 150 150 0 Research - Biological & Environmental Research 150 150 0 Research - Fusion Energy Sciences 75 75 0 Pusion Energy Sciences 370 50 0 Pusion Energy Sciences 370 50 0 Vehicle Technologies 300 500 200 Vehicle Technologies 1,05 70 0 Vehicle Technologies 300 500 200 Sustainable Transportation 1,45 70 0 Weatherization and Integration Assistance Program (EERE) 2,44 2,44 0 State Energy Program Grants (EERE) 3,30 3,30 3 0 Veachterization and Integrated Wasta Management System 50 3 2 0 Energy Efficiency 50 50 50 50 <t< td=""><td></td><td>143,565</td><td>142,905</td><td>66,764</td></t<>		143,565	142,905	66,764
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Research - Fusion Energy Sciences 75 75 0 Fusion Energy Sciences 75 75 0 Vehicle Technologies 330 350 400 Vehicle Technologies 1,065 200 200 Sustainable Transportation 1,455 700 600 Weatherization Assistance Program (EERE) 839 339 0 Weatherization and Intergovermental Programs 3,280 3,280 3 Fuergy Efficiency 3,280 3,280 3 Fuergy Efficiency 300 300 300 HALEU Availability 300 300 300 Used Nuclear Fuel Disposition R&D 300 300 300 Fuel Cycle Research & Development 800 600 800 Fuel Cycle Research & Development 800 600 11.00 Strategic Partnership Projects 6,700 6,700 6,700 11.00 Environment, Health, Safety & Security 510 510 510 510 510 510 510 510 </td <td></td> <td></td> <td></td> <td>0</td>				0
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Radioactive Liquid Tank Waste Stabilization 910,832 910,832 851,660 20-D-401 Saltstone Disposal Unit #10, 11, 12 562 562 37,668 18-D-402 Saltstone disposal unit #8/9 65,500 65,500 49,832 17-D-402 Saltstone Disposal Unit #7 10,716 10,716 0 Construction - Radioactive Liquid Tank Waste 76,778 76,778 87,500 Savannah River Sites 1,531,659 1,531,659 1,571,476 Program Direction - Defense Environmental Cleanup 42,051 48,747	Savannah River National Laboratory O&M	0	0	41,000
20-D-401 Saltstone Disposal Unit #10, 11, 12 562 562 37,668 18-D-402 Saltstone disposal unit #8/9 65,500 65,500 49,832 17-D-402 Saltstone Disposal Unit #7 10,716 10,716 0 Construction - Radioactive Liquid Tank Waste 76,778 76,778 87,500 Savannah River Sites 1,531,659 1,531,659 1,571,476 Program Direction - Defense Environmental Cleanup 42,051 42,051 48,747	SR Community and Regulatory Support	11,549	11,549	12,137
18-D-402 Saltstone disposal unit #8/9 65,500 65,500 49,832 17-D-402 Saltstone Disposal Unit #7 10,716 10,716 0 Construction - Radioactive Liquid Tank Waste 76,778 76,778 87,500 Savannah River Sites 1,531,659 1,531,659 1,571,476 Program Direction - Defense Environmental Cleanup 42,051 42,051 48,747	Radioactive Liquid Tank Waste Stabilization	910,832	910,832	851,660
17-D-402 Saltstone Disposal Unit #7 10,716 10,716 0 Construction - Radioactive Liquid Tank Waste 76,778 76,778 87,500 Savannah River Sites 1,531,659 1,531,659 1,571,476 Program Direction - Defense Environmental Cleanup 42,051 42,051 48,747	20-D-401 Saltstone Disposal Unit #10, 11, 12	562	562	37,668
Construction - Radioactive Liquid Tank Waste 76,778 76,778 87,500 Savannah River Sites 1,531,659 1,531,659 1,531,476 Program Direction - Defense Environmental Cleanup 42,051 42,051 48,747	18-D-402 Saltstone disposal unit #8/9	65,500	65,500	49,832
Savannah River Sites 1,531,659 1,531,659 1,571,476 Program Direction - Defense Environmental Cleanup 42,051 42,051 48,747	17-D-402 Saltstone Disposal Unit #7	10,716	10,716	0
Program Direction - Defense Environmental Cleanup 42,051 42,051 48,747	Construction - Radioactive Liquid Tank Waste	76,778	76,778	87,500
	Savannah River Sites	1,531,659	1,531,659	1,571,476
Safeguards and Security - Defense Environmental Cleanup 171,211 171,211 152,194	Program Direction - Defense Environmental Cleanup	42,051	42,051	48,747
	Safeguards and Security - Defense Environmental Cleanup	171,211	171,211	152,194

State Table

South Carolina FY 2023 (Dollars in Thousands)

Total South Carolina	2,839,936	2,894,796	3,277,060
	Enacted	Annualized CR	Request Detail
	FY 2021	FY 2022	FY 2023

State Table

South Dakota FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
South Dakota			
Research - High Energy Physics	30,000	23,905	23,474
High Energy Physics	30,000	23,905	23,474
Weatherization Assistance Program (EERE)	2,237	2,237	0
State Energy Program Grants (EERE)	416	416	0
Weatherization and Intergovernmental Programs	2,653	2,653	0
Energy Efficiency	2,653	2,653	0
Total South Dakota	32,653	26,558	23,474

State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Tennessee			
B61-12 LEP	94,500	87,000	109,000
W88 ALT 370	490	1,344	1,261
W80-4 LEP	3,306	33,650	37,660
W87-1 Modification Program	40,000	43,006	82,502
W93 Program	1,000	1,000	5,000
Stockpile Major Modernization	139,296	166,000	235,423
Stockpile Sustainment	38,705	41,224	47,049
Weapons Dismantlement and Disposition	14,450	17,569	15,667
Production Operations	108,754	106,228	107,151
Nuclear Enterprise Assurance	0	0	2,760
Stockpile Management	301,205	331,021	408,050
Uranium Modernization	259,163	299,279	219,535
Depleted Uranium Modernization	68,064	91,964	111,000
Lithium Modernization	35,268	37,850	62,073
18-D-690, Lithium Processing Facility, Y-12	109,405	109,405	216,886
06-D-141, Uranium Processing Facility, Y-12	750,000	750,000	362,000
Secondary Capability Modernization	1,221,900	1,288,498	971,494
Tritium Sustainment and Modernization	1,667	0	1,750
Domestic Uranium Enrichment	37,849	34,415	72,760
HEU Downblend	15,512	10,000	0
Tritium and Domestic Uranium Enrichment	55,028	44,415	74,510
Non-Nuclear Capability Modernization	0	300	310
Total, Non-Nuclear Capability Modernization	0	300	310
Capability Based Investments	27,170	28,782	18,200
Production Modernization	1,304,098	1,361,995	1,064,514
Aging and Lifetimes	2,414	2,590	2,600
Stockpile Responsiveness	2,325	3,625	3,459
Advanced Certification and Qualification	1,500	1,400	1,330
Engineering and Integrated Assessments	6,239	7,615	7,389
Advanced Manufacturing Development	14,498	6,876	3,000
Weapons Technology and Manufacturing Maturation	14,498	6,876	3,000
Advanced Simulation and Computing	650	650	1,831
Advanced Simulation & Computing	650	650	1,831
Stockpile Research, Technology, and Engineering	21,387	15,141	12,220
Operations of Facilities	102,864	103,000	104,000
Safety and Environmental Operations	35,065	36,372	31,591
Maintenance and Repair of Facilities	122,142	117,000	119,000
Infrastructure and Safety	69,399	46,857	42,891
Recapitalization	69,399	46,857	42,891
Operating	329,470	303,229	297,482
23-D-519, Special Material Facility, Y-12	0	0	49,500
Mission Enabling Construction	0	0	49,500
I&O - Construction	0	0	49,500
Infrastructure and Operations	329,470	303,229	346,982
Operations and Maintenance - DNS	173,820	173,820	199,685
17-D-710, West End Protected Area Reduction Project, Y-12	26,000	26,000	3,928
Construction - Defense Nuclear Security	26,000	26,000	3,928
Defense Nuclear Security (DNS)	199,820	199,820	203,613

DEPARTMENT OF ENERGY State Table

Principal Prin				
Information Technology and Cyber Security				
Demonstration	Information Technology and Cyber Security			
Nuteriar Meterial Removal 10,177 10,575 3,280 1,4676 1				
Material Disposition 46,535 13,000 54,671 Laboratorly and Partmethrip Support				
Laboratory and Partnership Support 3,215 0 10 Manetral Management and Minimization 63,583 31,835 11,268 Radiological Security 20,761 12,939 22,931 Radiological Security 23,611 12,23 22,011 Schald Marterial Security 50,349 56,206 57,231 Schald Marterial Security 50,349 56,206 57,231 Nonproliferation & Arms Control 32,941 34,685 37,072 Nuclear Detection R&D 32,941 34,685 37,072 Nuclear Detection R&D 32,941 34,685 37,072 Nuclear Detection R&D 40,05 16,19 31,08 4,672 Norprollésanch Detection 50,00 12,07 0 4,672 4,672 Norprollésanch Detection Nation Recentre Norprollésantion Status and Shaper Program 10,10 1,00 2,00 4,672 4,672 Norprollésantion Status and Shaper Program 10,10 1,00 2,00 2,00 2,00 2,00 2,00 2,00 2,00 2,00				
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Countenterrorism and Counterproliferation 13,428 13,393 17,812 Nuclear Countenterrorism As Incident Response 13,428 13,393 17,812 Program Direction - National Nuclear Security Administration 27,073 25,927 32,122 Research - Advanced Scientific Computing Research 25,240 248,007 251,831 17-SC-20, SC Exascale Computing Project (ECP) 168,945 129,000 377,007 328,831 Research - Basic Energy Sciences 350,001 341,571 332,791 19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 19-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 19-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 19-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 19-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 19-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 19,000 19,000 Research - Biological & Env				
Nuclear Counterterrorism & Incident Response 13,428 13,333 17,812 Program Direction - National Nuclear Security Administration 27,073 25,927 32,122 Research - Advanced Scientific Computing Research 252,420 248,207 251,831 17-SC-20, SC Exascale Computing Project (ECP) 168,945 19,000 77,000 Advanced Scientific Computing Research 421,365 377,207 328,831 Research - Basic Energy Sciences 350,201 341,571 332,791 19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 18-SC-12, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 18-SC-13, Spallation Neutron Source Proton Power Upgra	-			
Program Direction - National Nuclear Security Administration 27,073 25,927 251,831 Research - Advanced Scientific Computing Research 252,420 248,207 251,831 17-SC-20, SC Exascale Computing Project (ECP) 168,945 129,000 77,000 Advanced Scientific Computing Research 421,365 377,207 328,831 Research - Basic Energy Sciences 350,201 341,571 332,000 19-SC-14, Second Target Station (STS), ORNL 29,000 17,000 17,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 Construction - Basic Energy Sciences 431,201 390,571 381,791 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Biological Environmental Research 28,541 82,341 88,900 Biological Environmental Research 28,541 82,341 88,900 Bio	·			
Research - Advanced Scientific Computing Research 252,420 248,207 251,831 17-SC-20, SC Exascale Computing Project (ECP) 168,945 129,000 77,000 Advanced Scientific Computing Research 421,365 377,207 328,831 Research - Basic Energy Sciences 350,201 341,571 332,791 19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 Dasic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 88,541 88,241 88,900 Besearch - Biological & Environmental Research 88,541 88,241 88,900 Research - Fusion Energy Sciences 22,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Fusion Energy Sciences 22,031 253,351 263,258 Research - High Energy Physics 1,423 990 1,755	·			
17-SC-20, SC Exascale Computing Project (ECP) 168,945 129,000 77,000 Advanced Scientific Computing Research 421,365 377,207 328,831 Research - Basic Energy Sciences 350,201 341,571 332,790 19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 17,000 L9-SC-14, Second Target Station (STS), ORNL 52,000 19,000 49,000 Basic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 431,201 390,571 381,791 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Research - Pusion Energy Sciences 28,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990	Program Direction - National Nuclear Security Administration	27,073	25,927	32,122
Advanced Scientific Computing Research 421,365 377,207 328,831 Research - Basic Energy Sciences 350,201 341,571 332,791 19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 49,000 49,000 Construction - Basic Energy Sciences 811,000 49,000 49,000 Basic Energy Sciences 431,201 390,571 381,791 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 242,000 221,000 <td>Research - Advanced Scientific Computing Research</td> <td>252,420</td> <td>248,207</td> <td>251,831</td>	Research - Advanced Scientific Computing Research	252,420	248,207	251,831
Research - Basic Energy Sciences 350,201 341,571 332,791 19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 17,000 Construction - Basic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 431,201 390,571 381,781 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Research - Fusion Energy Sciences 28,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 242,000 221,000 240,000 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617	17-SC-20, SC Exascale Computing Project (ECP)	168,945	129,000	77,000
19-SC-14, Second Target Station (STS), ORNL 29,000 32,000 32,000 18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 Construction - Basic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 431,201 390,571 381,791 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 28,351 32,351 23,258 Research - Fusion Energy Sciences 28,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 27,351 253,351 263,255 Fusion Energy Sciences 1,423 990 1,755 High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617	Advanced Scientific Computing Research	421,365	377,207	328,831
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL 52,000 17,000 49,000 Construction - Basic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 431,201 390,571 381,791 Research - Floidogical & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Besearch - Fusion Energy Sciences 28,351 32,351 23,258 Research - Fusion Energy Sciences 242,000 221,000 240,000 Construction - Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 1,423 990 1,755 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Isotope R&D and Production 20 57 0 Accelerat	Research - Basic Energy Sciences	350,201	341,571	332,791
Construction - Basic Energy Sciences 81,000 49,000 49,000 Basic Energy Sciences 431,201 390,571 381,791 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Research - Fusion Energy Sciences 28,351 32,258 242,000 221,000 240,000 Construction - Fusion Energy Sciences 242,000 221,000 240,000 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 1,423 990 1,755 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-Sc-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 26,000 20,000 Accelerator R&D an	19-SC-14, Second Target Station (STS), ORNL	29,000	32,000	32,000
Basic Energy Sciences 431,201 390,571 381,791 Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Research - Fusion Energy Sciences 28,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 270,351 253,351 263,258 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 1,423 990 1,755 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 Vullear Physics 15,406 10 0 0<	18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	52,000	17,000	17,000
Research - Biological & Environmental Research 88,541 88,241 88,900 Biological and Environmental Research 88,541 88,241 88,900 Research - Fusion Energy Sciences 28,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 20-SC-51, U.S. Stable Isotope Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 20 57 0 Accelerator R&D and Production 26,000 20,000 20,000 Pacilities and Infrastructu	Construction - Basic Energy Sciences	81,000	49,000	49,000
Biological and Environmental Research 88,541 88,241 88,000 Research - Fusion Energy Sciences 28,351 32,351 23,258 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Scotope R&D and Production 12,000 0 0 0 Isotope R&D and Production 12,000 0 0 0 Research - Accelerator R&D and Production 12,000 57 0 Accelerator R&D and Production 26,000 20,000 20,000 Pacilities and Infrastructure (SLI) 20 20 20 Oak Ridge Nuclear Oper	Basic Energy Sciences	431,201	390,571	381,791
Research - Fusion Energy Sciences 28,351 32,351 23,256 14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 242,000 221,000 240,000 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 26,000 20,000 20,000 Accelerator R&D and Production 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 25,000 0	Research - Biological & Environmental Research	88,541	88,241	88,900
14-SC-60, U.S. Contributions to ITER (U.S. ITER) 242,000 221,000 240,000 Construction - Fusion Energy Sciences 242,000 221,000 240,000 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 12,000 0 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 25,000 0 0 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 21,500 0 19-SC-73, Translational	Biological and Environmental Research	88,541	88,241	88,900
Construction - Fusion Energy Sciences 242,000 221,000 240,002 Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 15,436 14,975 18,617 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-Sc-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 0 Isotope R&D and Production 12,000 0 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 25,000 0 0 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability	Research - Fusion Energy Sciences	28,351	32,351	23,258
Fusion Energy Sciences 270,351 253,351 263,258 Research - High Energy Physics 1,423 990 1,755 High Energy Physics 1,423 990 1,755 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-Sc-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 0 Construction - Isotope R&D and Production 12,000 0 <td>14-SC-60, U.S. Contributions to ITER (U.S. ITER)</td> <td>242,000</td> <td>221,000</td> <td>240,000</td>	14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	221,000	240,000
Research - High Energy Physics 1,423 990 1,755 High Energy Physics 1,423 990 1,755 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 20 20 20 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Construction - Fusion Energy Sciences	242,000	221,000	240,000
High Energy Physics 1,423 990 1,755 Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 20 20 20 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Fusion Energy Sciences	270,351	253,351	263,258
Operations and Maintenance - Nuclear Physics 15,436 14,975 18,617 Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Research - High Energy Physics	1,423	990	1,755
Nuclear Physics 15,436 14,975 18,617 20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 20 20 20 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	High Energy Physics	1,423	990	1,755
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL 12,000 0 0 Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Operations and Maintenance - Nuclear Physics	15,436	14,975	18,617
Construction - Isotope R&D and Production 12,000 0 0 Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Nuclear Physics	15,436	14,975	18,617
Isotope R&D and Production 12,000 0 0 Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	12,000	0	0
Research - Accelerator R&D and Production 0 57 0 Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Construction - Isotope R&D and Production	12,000	0	0
Accelerator R&D and Production 0 57 0 Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Isotope R&D and Production	12,000	0	0
Oak Ridge Nuclear Operations 26,000 20,000 20,000 Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Research - Accelerator R&D and Production	0	57	0
Facilities and Infrastructure (SLI) 200 200 200 20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Accelerator R&D and Production	0	57	0
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74) 25,000 0 0 19-SC-73, Translational Research Capability, ORNL 22,000 21,500 0 Construction - Science Laboratories Infrastructure 47,000 21,500 0	Oak Ridge Nuclear Operations	26,000	20,000	20,000
19-SC-73, Translational Research Capability, ORNL22,00021,5000Construction - Science Laboratories Infrastructure47,00021,5000	Facilities and Infrastructure (SLI)	200	200	200
19-SC-73, Translational Research Capability, ORNL22,00021,5000Construction - Science Laboratories Infrastructure47,00021,5000	20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74)	25,000	0	0
Construction - Science Laboratories Infrastructure 47,000 21,500 0			21,500	0
				0
	Science Laboratories Infrastructure	73,200		20,200

DEPARTMENT OF ENERGY State Table

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023
Safeguards and Security - SC	33,350	33,350	Request Detail 43,964
Program Direction - SC	15,234	15,234	19,336
Vehicle Technologies	34,320	37,950	29,910
Bioenergy Technologies	12,550	12,150	10,100
Hydrogen and Fuel Cells Technologies	4,584	4,100	4,600
			44,610
Sustainable Transportation	51,454	54,200	
Solar Energy Technologies Wind Energy Technologies	1,803	1,803	2,490
<u> </u>	1,954	2,509	5,597
Water Power Technologies	8,258 630	8,498	8,631 0
Geothermal Technologies		1,000	
Renewable Power	12,645	13,810	16,718
Advanced Manufacturing	46,704	35,360	29,500
Building Technologies	21,148	39,731	21,500
Federal Energy Management Program (EERE)	4,599	2,200	0
Weatherization Assistance Program (EERE)	6,305	6,480	0
Training and Technical Assistance (EERE)	500	1,400	0
State Energy Program Grants (EERE)	2,104	2,190	0
Weatherization and Intergovernmental Programs	8,909	10,070	0
Energy Efficiency	81,360	87,361	51,000
Strategic Programs	0	300	300
Corporate Support	0	300	300
Transmission Reliability and Resilience	9,223	0	2,350
Energy Delivery Grid Operations Technology	0	0	10,000
Resilient Distribution Systems	13,587	0	12,900
Energy Storage R&D	2,815	0	3,600
Energy Storage	2,815	0	3,600
Transformer Resilience and Advanced Components	6,000	0	16,000
Transmission Permitting and Technical Assistance	514	0	0
Cybersecurity for Energy Delivery Systems	10,000	10,000	0
Infrastructure Security and Energy Restoration	4,800	4,800	0
Risk Management Technology and Tools	0	0	13,000
Response and Restoration	0	0	2,400
Information Sharing, Partnerships and Exercises	0	0	2,800
Program Direction - CESER	750	0	0
Carbon Capture	1,380	1,380	0
Carbon Storage	450	450	0
CCS and Power Systems	1,830	1,830	0
Advanced Energy Systems	878	878	0
Cross Cutting Research	786	786	0
Advanced Coal Energy Systems & CCUS	1,664	1,664	0
Mineral Sustainability	10,325	10,325	0
Carbon Dioxide Removal	900	900	0
Natural Gas Technologies Research	250	250	0
Strategic Petroleum Reserve (SPR)	570	570	570
University Scholarships and Fellowships	0	0	500
Advanced SMR R&D	395	395	200
LWR Sustainability	5,101	5,101	4,000
Advanced Reactor Technologies	2,835	2,835	5,500
Reactor Concepts RD&D	8,331	8,331	9,700
Civilian Nuclear Enrichment	40,000	0	0
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DEPARTMENT OF ENERGY State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Materials Recovery and Waste Form Development	942	942	1,442
Accident Tolerant Fuels	6,707	6,707	7,304
Triso Fuel and Graphite Qualification	1,200	3,000	2,200
Fuel Cycle Laboratory R&D	1,500	1,500	3,495
HALEU Availability	0	0	5,745
Used Nuclear Fuel Disposition R&D	8,250	8,250	5,725
Integrated Waste Management System	4,000	4,000	6,000
Fuel Cycle Research & Development	62,599	24,399	31,91
Crosscutting Technology Development	2,069	2,069	3,000
Joint Modeling and Simulation Program	4,210	4,210	3,900
Transformational Challenge Reactor	18,098	18,098	(
Nuclear Energy Enabling Technologies	24,377	24,377	6,900
National Reactor Innovation Center	157	157	1,000
Risk Reduction for Future Demonstration	0	0	2,000
Regulatory Development	2,400	2,400	3,450
Advanced Reactors Safeguards	475	475	500
Advanced Reactors Demonstration Program	3,032	3,032	6,950
ORNL Nuclear Facilities O&M	19,926	19,926	(
Infrastructure	19,926	19,926	(
Idaho Sitewide Safeguards & Security (050)	0	100	(
International Nuclear Energy Cooperation	0	0	250
Program Direction - Nuclear Energy	383	383	(
Strategic Partnership Projects	12,227	12,227	9,750
Strategic Partnership Projects and Revenues	12,227	12,227	9,750
Environment, Health, Safety & Security	5,455	5,455	5,40
Environment, Health, Safety, and Security	5,455	5,455	5,405
Office of Technology Transitions (DA)	275	275	(
Advanced Technology Vehicle Manufacturing Loan Program	50	0	(
U233 Disposition Program	55,000	55,000	47,628
OR Cleanup Disposition	112,471	112,471	62,000
OR Nuclear Facility D&D	254,132	254,132	334,22
OR Technology Development and Deployment	5,000	5,000	3,000
OR Community and Regulatory Support	5,900	5,900	5,300
14-D-403 Outfall 200 Mercury Treatment Facility	20,500	20,500	(
17-D-401 On-site Waste Disposal Facility	22,380	22,380	35,000
Construction - Oak Ridge	42,880	42,880	35,000
Oak Ridge (OR)	475,383	475,383	487,149
Program Direction - Defense Environmental Cleanup	15,026	15,026	17,713
Safeguards and Security - Defense Environmental Cleanup	9,260	9,260	12,000
Oak Ridge Reservation (D&D Fund)	134,701	134,701	92,946
Pension and Community and Regulatory Support	25,000	25,000	20,000
Fotal Tennessee	4,780,996	4,589,615	4,420,484

State Table
Texas FY 2023
(Dollars in Thousands)

WBB ALT 3770 \$5.918 49,776 47,730 WB0-1 LEP 41.000 12,416 19,066 WB7-1 Modification Program 12,000 12,41 19,666 WB3-Program 500 500 2,00 Stockpile Nation Moderntation 18,241 16,71 22,00 Stockpile Nation Moderntation 38,249 2,6001 26,37 Production Operations 12,008 12,008 12,272 12,008 Noclage Enterprise Assurance 0 0 0 2,78 Stockpile Management 42,868 417,27 48,22 High Explosives & Energetics 17,125 15,000 20,00 Hister DPCs 3,703 3,750 10,000 15-9-30 J. HE Symbesis, Formulation, and Production, PX 2,800 30,000 10,000 15-8 Shoppedity 4,800 3,000 10,000 14,800 15-10 July He Symbesis, Formulation, and Production, PX 2,800 30,000 10,000 10,000 15-20 July He Symbesis, Formulation, and English Modernization 9,182 <th></th> <th>FY 2021</th> <th>FY 2022</th> <th>FY 2023</th>		FY 2021	FY 2022	FY 2023
B811-12 LEP 45,450 62,445 80,73 W88 ALT 370 33,818 40,776 77,73 W87-1 Modification Program 12,000 12,041 18,56 W87-1 Modification Program 500 20,000 20,000 Stockpile Regularization 162,418 167,112 229,06 Stockpile Regularization 32,428 165,011 22,37 Production Operations 120,363 121,227 122,00 Stockpile Substainment 42,888 417,297 408,24 Production Operations 120,83 121,227 122,00 Stockpile Substainment 488,888 417,297 408,24 High Explosible Assurance 0 0 0 2,00 Holge Explosible Responsible Responsibility Modernization 28,00 3,00 3,000 108,00 15-0-301, He Synthesis, Formulation, and Production, PX 43,000 43,00 40,00 108,00 108,00 108,00 108,00 108,00 108,00 108,00 108,00 108,00 108,00 108,00		Enacted	Annualized CR	Request Detail
WBB ALT 3770 \$5.918 49,776 47,730 WB0-1 LEP 41.000 12,416 19,066 WB7-1 Modification Program 12,000 12,41 19,666 WB3-Program 500 500 2,00 Stockpile Nation Moderntation 18,241 16,71 22,00 Stockpile Nation Moderntation 38,249 2,6001 26,37 Production Operations 12,008 12,008 12,272 12,008 Noclage Enterprise Assurance 0 0 0 2,78 Stockpile Management 42,868 417,27 48,22 High Explosives & Energetics 17,125 15,000 20,00 Hister DPCs 3,703 3,750 10,000 15-9-30 J. HE Symbesis, Formulation, and Production, PX 2,800 30,000 10,000 15-8 Shoppedity 4,800 3,000 10,000 14,800 15-10 July He Symbesis, Formulation, and Production, PX 2,800 30,000 10,000 10,000 15-20 July He Symbesis, Formulation, and English Modernization 9,182 <td>Texas</td> <td></td> <td></td> <td></td>	Texas			
WB37-I Muoffication Program 12,000 12,441 19,58 WB37-I Muoffication Program 100 500 20,000 Slockjois Major Modernization 162,418 167,112 229,00 Slockjois Major Modernization 107,926 102,357 117,930 Weapons Diamantiement and Disposition 38,249 26,661 26,37 Production Operations 100 0 0 27,85 Stockjois Management 488,885 417,297 489,24 High Explosives & Energetics 17,81 15,000 20,00 15-50,11 HE Synthesis, Formulation, and Production, PX 28,000 30,000 108,00 15-5-30, HE Synthesis, Formulation 91,828 91,750 144,00 15-5-30, HE Synthesis, Formulation	B61-12 LEP	54,500	62,445	80,731
W87-1 Modification Program 12,000 12,841 19,56 W83-Program 500 500 2,00 Stockpile Midger Modernization 162,418 167,12 220,00 Stockpile Marger Modernization 167,925 162,257 117,90 Weepons Diamandement and Disposition 38,249 68,61 22,77 Production Operations 120,003 121,227 122,02 Nuclear Enterprise Assurance 0 0 0 2,76 Stockpile Marager 48,868 417,27 480,22 High Explosives & Enterprises 17,125 15,000 20,00 HESE OPCE 3700 30,000 108,00 HESE OPCE 43,000 30,000 108,00 HE & Englished 9,132 9,175 148,00 Non-Nuclear Capability Modernization 9,182 9,175 148,00 You Non-Nuclear Capability Modernization 9,08 7,170 10,20 Primary Capability Modernization 10,09 8,08 2,50 Total Non-Nuclear Capability Modern	W88 ALT 370	53,918	49,776	47,730
W83 Program 500 500 2.00 Stockpie Major Muderilization 162,418 167,112 221,000 Wespoors Diseaseltement and Disposition 30,249 26,607 125,277 Wespoors Diseaseltement and Disposition 120,000 21,272 122,227 Production Operations 120,000 121,227 480,222 Nuclear Enterprise Assurance 0 0 0 2.76 Stockpile Management 426,865 417,227 480,222 141,227 480,222 High Explores & Energetics 17,125 150,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000 168,000 200,000	W80-4 LEP	41,500	41,450	79,050
Sibockpite Major Modernization 162,416 167,112 293,08 Sibockpite Bustainment 107,925 102,337 117,893 Production Querations 120,083 121,227 122,002 Nuclear Enterprises Assurance 0 0 2.76 Stockpite Management 420,685 417,237 498,24 High Explosives & Enregieta 17,125 15,000 20,00 HESE CPGS 3,703 3,750 100,000 20,00 21-D-510, HE Synthesis, Formulation, and Production, PX 20,00 43,000 43,000 40,000 20,00 16-S-201, HE Synthesis, Formulation, and Production, PX 20,00 43,000 43,000 40,000 20,00 16-S-201, HE Synthesis, Formulation, and Production, PX 20,00 43,000 43,000 40,000 20,00 16-E S. Engregates 91,828 91,750 148,00 20,00 60 66 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60	W87-1 Modification Program	12,000	12,941	19,588
Stockpile Sustainment 107,925 102,367	W93 Program	500	500	2,000
Weapons Dismantement and Disposition 38,248 26,001 26,37 Production Operations 120,003 121,227 122,002 Stockpile Management 428,685 417,237 489,244 High Explosives & Energielics 17,125 15,000 200 HESE OPCB 3,733 3,709 160,000 21-D-510, HE Synthesis, Formulation, and Production, PX 28,000 30,000 180,000 16-D-301, HE Science & Engineering Facility, PX 43,000 43,000 20,000 HE & Energistich 91,828 91,750 148,000 Non-Nuclear Capability Modernization 0 6 6 Total, Non-Nuclear Capability Modernization 0 6 6 Total, Non-Nuclear Capability Modernization 0 6 6 Total, Non-Nuclear Capability Modernization 10,000 7,170 10,200 Aging and Lifetimes 2,554 2,998 2,550 Aging and Lifetimes 2,554 2,998 2,550 Stockpile Responsiveness 1,81 2,55 3,975 3	Stockpile Major Modernization	162,418	167,112	229,099
Production Operations 120,088 121,227 122,020 Nuclear Enterprise Assurance 0 0 2,76 Schockple Management 428,685 417,227 498,24 High Explosives & Energietics 117,125 15,000 20,000 HESE OPCs 3,700 3,750 -20,000 21-0-510, HE Synthesis, Formulation, and Production, PX 28,000 43,000 43,000 15-0-301, HE Science & Engineering Facility, PX 43,000 43,000 20,000 HE & Energistics 91,828 91,750 148,000 Non-Nuclear Capability Modernization 0 60 6 Non-Nuclear Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 10,000 98,900 188,26 Aging and Lifetimes 9,900 98,900 188,26 Stockpile Research Investments 2,901 1,00 1,00 Production Modernization 10,000 9,900 188,26 Aging and Lifetimes 2,50 2,90 2,90 St	Stockpile Sustainment	107,925	102,357	117,994
Nuclear Enterprise Assurance 0 2.76 Stockpile Management 428,858 417,237 488,24 High Explosives & Enragatics 17,125 15,000 2000 HESE OPCs 3,703 3,750 -0.00 21-D-301, HE Synthesis, Formulation, and Production, PX 42,000 30,000 43,000 15-D-301, HE Synthesis, Formulation, and Production, PX 43,000 43,000 43,000 15-D-301, HE Synthesis, Formulation, and Production, PX 43,000 43,000 43,000 HE & Energistics 91,828 91,750 148,000 Primary Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 10,000 7,170 10,200 Production Modernization 10,000 89,990 158,26 Stockpile Responsiveness 2,554 2,998 2,554 Stockpile Responsiveness 3,319 8,373 7,62 Advanced Certification and Qualification 1,500 1,400 1,33 </td <td>Weapons Dismantlement and Disposition</td> <td>38,249</td> <td>26,601</td> <td>26,370</td>	Weapons Dismantlement and Disposition	38,249	26,601	26,370
Stockpile Management 428,885 417,297 498,24 Hijb Explosives & Energetics 17,125 15,00 20,00 HESE OFCs 3,703 3,750 -1,00 21-D-510, HE Synthesis, Formulation, and Production, PX 28,000 30,000 108,00 15-D-201, HE Synthesis, Formulation, and Production, PX 43,000 43,000 20,00 HE & Energistics 191,828 91,750 148,00 Primary Capability Modernization 0 60 6 Non-Nuclear Capability Modernization 0 60 6 Capability Based Investments 9,080 7,170 10,20 Production Modernization 100,090 8,390 18,26 Advanced Capability Modernization 100,090 3,395 2,59 Stockpile Responaiveness 2,554 2,998 2,55 Adjoing and Lifetimes 2,554 2,998 2,55 Stockpile Responaiveness 4,265 3,375 7,82 Murange Technology and Manufacturing Value 2,51 1,298 2,52	Production Operations	120,093	121,227	122,023
High Explosives & Energetics 17,125 15,000 20,000 HESE OPCs 37,00 3,750 3,750 121-0-510, HE Synthesis, Formulation, and Production, PX 28,000 3,000 3,000 108,000 155-0-301, HE Science & Engineering Facility, PX 43,000 43,000 43,000 20,000 115-0-301, HE Science & Engineering Facility, PX 43,000 43,000 43,000 20,000 HE & Energistics 91,828 91,750 148,000 160 60 60 60 60 60 60 60 60 60 60 60 60 6	Nuclear Enterprise Assurance	0	0	2,760
HESE OPCS 21-0-510, HE Science & Engineering Facility, PX 15-0-2011, HE Science & Engineering Facility, PX 15-0-2011, HE Science & Engineering Facility, PX 15-0-2011, HE Science & Engineering Facility, PX 148,000 HE & Energistics 191,828 191,750 148,000 Primary Capability Modernization 191,828 191,750 148,000 Non-Nuclear Capability Modernization 100 600 600 600 600 600 600 600 600 600	Stockpile Management	428,685	417,297	498,246
21-D-510, HE Syinthesis, Formulation, and Production, PX 28,000 30,000 108,000 15-D-301, HE Skinnes & Engineering Facility, PX 43,000 43,000 20,00 HE & Energistics 91,828 91,750 148,00 Primary Capability Modernization 91,828 91,750 148,00 Non-Nuclear Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 0 60 6 Capability Based Investments 9,080 7,170 10,20 Production Modernization 100,908 98,980 158,26 Aging and Lifetimes 2,554 2,998 2,50 Stockpile Responsiveness 4,265 3,975 3,76 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surely Technologies 18 25 1,120 1,119 Advanced Manufacturing Maturation 3,01 3,00<	High Explosives & Energetics	17,125	15,000	20,000
15-D-301, HE Science & Engineering Facility, PX 43,000 43,000 20,000 HE & Energistics 91,828 91,750 148,00 Primary Capability Modernization 0 66 6 Total, Non-Nuclear Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 9,080 7,170 10,20 Production Modernization 100,988 98,880 188,26 Aging and Lifetimes 2,554 2,998 2,50 Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,30 1,33 7,62 Surely Technologies 18 25 1,40 1,13 Surely Technologies 18 25 1,40 1,13 Weapon Technology Development 25,11 1,200 1,19 Weapons Technology and Manufacturing Maturation 3,042 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,786 10,81 Operations of Facilities 111,767 112,00 <td>HESE OPCs</td> <td>3,703</td> <td>3,750</td> <td>0</td>	HESE OPCs	3,703	3,750	0
HE & Energistics 91,828 91,750 148,000 Primary Capability Modernization 91,828 91,750 148,00 Non-Nuclear Capability Modernization 0 60 6 Capability Based Investments 9,980 7,170 10,20 Production Modernization 100,908 98,980 158,26 Adjag and Lifetimes 2,554 2,998 2,50 Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technologies 18 2,5 1,120 1,19 Advanced Manufacturing Development 2,51 1,20 1,19 Advanced Manufacturing Development 3,37 3,20 2,00 Weapons Technology and Manufacturing Maturation 3,34 4,42 3,19 Stockpile Research, Technology, and Engineering 11,661 12,73 10,81 Operations of Facilities 76,140 77,00 83,00 </td <td>21-D-510, HE Synthesis, Formulation, and Production, PX</td> <td>28,000</td> <td>30,000</td> <td>108,000</td>	21-D-510, HE Synthesis, Formulation, and Production, PX	28,000	30,000	108,000
Primary Capability Modernization 91,828 91,750 148,000 Non-Nuclear Capability Modernization 0 60 6 Total, Non-Nuclear Capability Modernization 0 60 6 Capability Based Investments 9,000 7,170 10,200 Production Modernization 100,000 98,900 158,26 Aging and Lifetimes 2,554 2,998 2,55 Sickcybile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technologies 15 2,5 1,20 1,13 Advanced Manufacturing Development 25 1,20 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapon Technology and Manufacturing Maturation 3,42 4,425 3,19 Stockpile Research, Technology, and Engineering 11,61 1,700 1,00 Operations of Facilities 11,767 112,00	15-D-301, HE Science & Engineering Facility, PX	43,000	43,000	20,000
Non-Nuclear Capability Modernization 0 60 6 Totals, Non-Nuclear Capability Modernization 0 60 6 Capability Based Investments 9,080 7,170 10,20 Production Modernization 100,098 98,880 158,26 Aging and Lifetimes 2,554 2,998 2,50 Stockpile Responsiveness 4,265 3,975 3,78 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technologies 18 25 1,120 1,13 Wespon Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Wespons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 11,700 114,00 1,81 Maintenance and Repair of Facilities 11,700 27,468	HE & Energistics	91,828	91,750	148,000
Total, Non-Nuclear Capability Modernization 0 60 6 Capability Based Investments 9,080 7,170 10,208 Production Modernization 100,908 98,380 158,268 Aging and Lifetimes 2,554 2,988 2,550 Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surely Technologies 18 25 1 Weapon Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapon Technology and Ingineering 1,161 1,279 10,18 Objections of Facilities 1,176 1,770 83,00 Safely and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,00 114,00 Infrastructure and Safety 62,802 58,248 67,71	Primary Capability Modernization	91,828	91,750	148,000
Capability Based Investments 9,080 7,170 10,200 Production Modernization 100,908 98,980 158,286 Aging and Lifetimes 2,554 2,988 2,50 Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technologies 18 2,55 1,000 1,19 Meapon Technology Development 3,073 3,200 2,00 Meapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,00 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 276,765 274,716	Non-Nuclear Capability Modernization	0	60	65
Production Modernization 100,908 98,980 158,26 Aging and Lifetimes 2,554 2,998 2,50 Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,488 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,3	Total, Non-Nuclear Capability Modernization	0	60	65
Aging and Lifetimes 2,554 2,998 2,50 Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surely Technology Evelopment 18 2,55 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,19 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 </td <td>Capability Based Investments</td> <td>9,080</td> <td>7,170</td> <td>10,200</td>	Capability Based Investments	9,080	7,170	10,200
Stockpile Responsiveness 4,265 3,975 3,79 Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technologies 18 25 1,19 Weapon Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,00 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations and Equipment 7,930 8,104 8,30<	Production Modernization	100,908	98,980	158,265
Advanced Certification and Qualification 1,500 1,400 1,33 Engineering and Integrated Assessments 8,319 8,373 7,62 Surely Technologies 18 25 7 Weapon Technology Development 3,073 3,000 2,000 Advanced Manufacturing Development 3,073 3,200 2,000 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,667 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 <	Aging and Lifetimes	2,554	2,998	2,500
Engineering and Integrated Assessments 8,319 8,373 7,62 Surety Technologies 18 25 18 Weapon Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpille Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19	Stockpile Responsiveness	4,265	3,975	3,793
Surety Technologies 18 25 Weapon Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 157,19 Information Technology and	Advanced Certification and Qualification	1,500	1,400	1,330
Weapon Technology Development 251 1,200 1,19 Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,000 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 </td <td>Engineering and Integrated Assessments</td> <td>8,319</td> <td>8,373</td> <td>7,623</td>	Engineering and Integrated Assessments	8,319	8,373	7,623
Advanced Manufacturing Development 3,073 3,200 2,00 Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Deparations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Management and Minimization 6,000	Surety Technologies	18	25	C
Weapons Technology and Manufacturing Maturation 3,342 4,425 3,19 Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 83,00 Secure Transportation Asset 7,930 8,104 83,00 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 50 3,076	Weapon Technology Development	251	1,200	1,191
Stockpile Research, Technology, and Engineering 11,661 12,798 10,81 Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25	Advanced Manufacturing Development	3,073	3,200	2,000
Operations of Facilities 76,140 77,000 83,00 Safety and Environmental Operations 26,056 27,468 26,82 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 53 Counterterrorism and Counterproliferation 2,606 3,076 3,25	Weapons Technology and Manufacturing Maturation	3,342	4,425	3,191
Safety and Environmental Operations 26,056 27,468 26,828 Maintenance and Repair of Facilities 111,767 112,000 114,00 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 503 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 3,05 3,05	Stockpile Research, Technology, and Engineering	11,661	12,798	10,814
Maintenance and Repair of Facilities 111,767 112,000 114,000 Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	Operations of Facilities	76,140	77,000	83,000
Infrastructure and Safety 62,802 58,248 67,71 Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Nonproliferation & Arms Control 503 550 5,51 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	Safety and Environmental Operations	26,056	27,468	26,822
Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	Maintenance and Repair of Facilities	111,767	112,000	114,000
Recapitalization 62,802 58,248 67,71 Operating 276,765 274,716 291,53 Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	Infrastructure and Safety	62,802	58,248	67,714
Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25		62,802		67,714
Infrastructure and Operations 276,765 274,716 291,53 STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	Operating	276,765	274,716	291,536
STA Operations and Equipment 7,930 8,104 8,30 Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	· · · · ·			291,536
Secure Transportation Asset 7,930 8,104 8,30 Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	STA Operations and Equipment			8,302
Operations and Maintenance - DNS 143,250 143,250 157,19 Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25				8,302
Defense Nuclear Security (DNS) 143,250 143,250 157,19 Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	•			
Information Technology and Cyber Security 9,384 8,845 9,80 Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	·			
Material Disposition 6,000 5,800 5,51 Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25				
Material Management and Minimization 6,000 5,800 5,51 Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25				
Nonproliferation & Arms Control 503 503 63 Counterterrorism and Counterproliferation 2,606 3,076 3,25 Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25	·			
Counterterrorism and Counterproliferation2,6063,0763,25Nuclear Counterterrorism & Incident Response2,6063,0763,25	-			638
Nuclear Counterterrorism & Incident Response 2,606 3,076 3,25				3,258
	Research - Advanced Scientific Computing Research	1,935	0	0,230

State Table

Texas FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Advanced Scientific Computing Research	1,935	0	0
Research - Biological & Environmental Research	3,403	3,403	2,533
Biological and Environmental Research	3,403	3,403	2,533
Research - Fusion Energy Sciences	2,600	2,600	0
Fusion Energy Sciences	2,600	2,600	0
Research - High Energy Physics	5,143	4,640	4,383
High Energy Physics	5,143	4,640	4,383
Weatherization Assistance Program (EERE)	7,909	7,909	0
State Energy Program Grants (EERE)	3,749	3,749	0
Weatherization and Intergovernmental Programs	11,658	11,658	0
Energy Efficiency	11,658	11,658	0
Resilient Distribution Systems	100	0	0
Energy Storage R&D	113	0	15
Energy Storage	113	0	15
Program Direction - Electricity	2	0	2
Strategic Petroleum Reserve (SPR)	13,533	13,533	16,281
Environment, Health, Safety & Security	10	10	10
Environment, Health, Safety, and Security	10	10	10
Program Direction - Grid Deployment Office	0	0	1
Total Texas	1,026,189	1,009,213	1,166,799

State Table

Undesignated State FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Undesignated State			
Research - Advanced Scientific Computing Research	49,552	219,996	300,704
Advanced Scientific Computing Research	49,552	219,996	300,704
Research - Basic Energy Sciences	0	690,632	904,750
Basic Energy Sciences	0	690,632	904,750
Research - Biological & Environmental Research	106,090	123,801	272,767
Biological and Environmental Research	106,090	123,801	272,767
Research - Fusion Energy Sciences	42,456	241,595	301,201
Fusion Energy Sciences	42,456	241,595	301,201
Research - High Energy Physics	28,708	116,159	153,914
High Energy Physics	28,708	116,159	153,914
Operations and Maintenance - Nuclear Physics	52,345	192,831	251,481
Nuclear Physics	52,345	192,831	251,481
Research - Accelerator R&D and Production	0	5,651	19,817
Accelerator R&D and Production	0	5,651	19,817
Workforce Development for Teachers & Scientists	29,000	29,000	41,300
Facilities and Infrastructure (SLI)	0	0	100
Science Laboratories Infrastructure	0	0	100
Safeguards and Security - SC	0	17,096	28,429
Transmission Reliability and Resilience	26	47,932	3,155
Energy Delivery Grid Operations Technology	0	0	200
Resilient Distribution Systems	300	48,526	3,600
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	10,500
Energy Storage R&D	18	56,713	19,525
Energy Storage	18	56,713	19,525
Transformer Resilience and Advanced Components	383	7,272	2,800
Applied Grid Transformation Solutions	0	0	30,000
DCEI Energy Mission Assurance	500	500	0
Transmission Permitting and Technical Assistance	128	5,918	0
Carbon Capture	0	0	163,000
Carbon Utilization	0	0	50,000
Carbon Storage	0	0	122,000
CCS and Power Systems	0	0	335,000
Advanced Energy Systems	0	0	66,869
Cross Cutting Research	0	0	31,000
Advanced Coal Energy Systems & CCUS	0	0	97,869
Mineral Sustainability	0	0	44,000
Carbon Dioxide Removal	0	0	65,000
Special Recruitment Programs	0	0	1,000
NETL Research and Operations - Fossil Energy	0	0	83,000
NETL Interagency Working Group	0	0	3,000
NETL Infrastructure - Fossil Energy	0	0	55,000
Program Direction - Fossil Energy Field	0	0	70,291
Resource Technologies and Sustainability	0	0	139,000
Artificial Intelligence and Technology Office	2,500	2,500	2,608
Miscellaneous Revenues	-93,378	-93,378	-100,578
Strategic Partnership Projects and Revenues	-93,378	-93,378	-100,578
Program Direction - Legacy Management	20,262	20,262	21,983
Legacy Management	20,262	20,262	21,983

State Table
Undesignated State FY 2023
(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Office of Technology Transitions (DA)	5,000	5,000	C
Technology Transitions Program Office	0	0	8,375
Title XVII Loan Guarantee Credit Subsidy	0	0	150,000
Offsetting Collections - Title 17 Innovative Technology Loan Guarantee Program	-3,000	-3,000	-48,000
Federal Contribution to the Uranium Enrichment D&D Fund	0	0	417,000
Small Sites - NDEC	0	10,000	(
Mercury Receipts	0	0	3,000
Use of Mercury Receipts	0	0	-3,000
Federal Energy Management Program	0	0	38,150
Federal Energy Efficiency Fund	0	0	60,000
Net Zero Lab Initiative Program	0	0	57,000
Grid Technical Assistance	0	0	15,000
Wholesale Electricity Market TA & Grants	0	0	14,00
Interregional & Offshore Transmission Planning	0	0	15,00
Facility and Workforce Assistance	0	0	18,00
Energy Sector Industrial Base	0	0	3,00
Weatherization Assistance Program (SCEP)	0	0	502,17
State Energy Program Grants (SCEP)	0	0	70,00
Energy Future Grants (SCEP)	0	0	105,00
Community Programs	0	0	25,00
Purchase Power and Wheeling - SEPA	66,163	66,353	92,68
Program Direction - SEPA	11,246	7,284	8,27
Offsetting collections (for PD) - SEPA	-7,246	-7,184	-8,17
Offsetting collections (for PPW) - SEPA	-52,000	-53,000	-78,69
Offsetting Collections - SEPA	-59,246	-60,184	-86,869
Less alternative financing (for PD) - SEPA	-4,000	-100	-10
Less alternative financing (for PPW) - SEPA	-14,163	-13,353	-13,99
Less alternative financing - SEPA	-18,163	-13,453	-14,09
Offsetting Collections (for O&M) - SWPA	-5,657	-5,657	-7,99
Offsetting Collections (for PD) - SWPA	-31,483	-31,483	-34,88
Offsetting Collections (for PPW) - SWPA	-34,000	-34,000	-70,00
Offsetting Collections - SWPA	-71,140	-71,140	-112,88
Less alternative financing (for O&M) - SWPA	-5,635	-5,635	-5,27
Less alternative financing (for Construction) - SWPA	-8,167	-8,167	-11,03
Less alternative financing (for PPW) - SWPA	-20,000	-20,000	-23,00
Less alternative financing (for PD) - SWPA	-852	-852	
Less alternative financing - SWPA	-34,654	-34,654	-39,314
otal Undesignated State	135,096	1,639,212	4,458,917

State Table
U.S. Virgin Islands FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
U.S. Virgin Islands			
Weatherization Assistance Program (EERE)	231	231	0
State Energy Program Grants (EERE)	310	310	0
Weatherization and Intergovernmental Programs	541	541	0
Energy Efficiency	541	541	0
Total U.S. Virgin Islands	541	541	0

State Table
Utah FY 2023
(Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Utah			<u> </u>
Research - Biological & Environmental Research	0	0	508
Biological and Environmental Research	0	0	508
Research - High Energy Physics	275	0	345
High Energy Physics	275	0	345
Weatherization Assistance Program (EERE)	2,573	2,573	0
State Energy Program Grants (EERE)	597	597	0
Weatherization and Intergovernmental Programs	3,170	3,170	0
Energy Efficiency	3,170	3,170	0
Transmission Reliability and Resilience	200	0	0
Small Sites - NDEC	47,833	47,833	67,000
Total Utah	51,478	51,003	67,853

State Table

Vermont FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Vermont			
Weatherization Assistance Program (EERE)	1,605	1,605	0
State Energy Program Grants (EERE)	388	388	0
Weatherization and Intergovernmental Programs	1,993	1,993	0
Energy Efficiency	1,993	1,993	0
Total Vermont	1,993	1,993	0

State Table
Virginia FY 2023
(Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Virginia			
Non-Nuclear Capability Modernization	0	100	100
Total, Non-Nuclear Capability Modernization	0	100	100
Production Modernization	0	100	100
Research - Advanced Scientific Computing Research	910	550	550
Advanced Scientific Computing Research	910	550	550
Research - Biological & Environmental Research	3,816	3,816	0
Biological and Environmental Research	3,816	3,816	0
Research - High Energy Physics	770	1,740	1,805
High Energy Physics	770	1,740	1,805
Operations and Maintenance - Nuclear Physics	129,353	134,480	153,899
20-SC-52, Electron Ion Collider, BNL	0	1,250	0
Construction - Nuclear Physics	0	1,250	0
Nuclear Physics	129,353	135,730	153,899
Research - Accelerator R&D and Production	0	350	427
Accelerator R&D and Production	0	350	427
Facilities and Infrastructure (SLI)	0	3,900	0
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	2,000	10,000	2,000
Construction - Science Laboratories Infrastructure	2,000	10,000	2,000
Science Laboratories Infrastructure	2,000	13,900	2,000
Safeguards and Security - SC	3,037	3,037	5,633
Program Direction - SC	1,812	1,812	2,461
Weatherization Assistance Program (EERE)	5,171	5,171	0
State Energy Program Grants (EERE)	1,253	1,253	0
Weatherization and Intergovernmental Programs	6,424	6,424	0
Energy Efficiency	6,424	6,424	0
Transmission Permitting and Technical Assistance	245	0	0
Program Direction - Electricity	552	0	540
Office of Technology Transitions (DA)	30	30	0
Small Sites - NDEC	12,000	12,000	26,409
Grid Technical Assistance	0	0	1,000
Program Direction - Grid Deployment Office	0	0	170
Total Virginia	160,949	179,489	194,994

State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Washington			
Nuclear Enterprise Assurance	0	0	3,230
Stockpile Management	0	0	3,230
Uranium Modernization	1,160	1,160	1,500
Depleted Uranium Modernization	225	400	500
Lithium Modernization	550	550	1,000
Secondary Capability Modernization	1,935	2,110	3,000
Tritium Sustainment and Modernization	56,186	64,451	79,840
Tritium and Domestic Uranium Enrichment	56,186	64,451	79,840
Non-Nuclear Capability Modernization	630	777	770
Total, Non-Nuclear Capability Modernization	630	777	770
Production Modernization	58,751	67,338	83,610
Advanced Manufacturing Development	0	900	872
Weapons Technology and Manufacturing Maturation	0	900	872
Stockpile Research, Technology, and Engineering	0	900	872
Safety and Environmental Operations	7,496	5,584	3,595
Operating	7,496	5,584	3,595
Infrastructure and Operations	7,496	5,584	3,595
Conversion	27,281	20,115	15,494
Nuclear Material Removal	175	675	200
Material Disposition	2,900	3,600	1,986
Laboratory and Partnership Support	462	0	0
Material Management and Minimization	30,818	24,390	17,680
International Nuclear Security	36,389	14,680	37,411
Radiological Security	73,644	100,586	65,564
Nuclear Smuggling Detection and Deterrence	50,491	61,236	51,384
Global Material Security	160,524	176,502	154,359
Nonproliferation & Arms Control	18,781	18,781	23,814
Proliferation Detection R&D	23,637	22,030	26,574
Nuclear Detonation Detection	19,166	16,095	19,718
Forensics R&D	4,746	4,438	4,746
Nonproliferation Stewardship Program	450	350	9,962
Defense Nuclear Nonproliferation R&D	47,999	42.913	61,000
NNSA Bioassurance Program	0	0	2,500
18-D-150, Surplus Plutonium Disposition Project, SRS	3,182	2,700	2,000
Nonproliferation Construction	3,182	2,700	0
Emergency Operations	960	1,326	2,376
Counterterrorism and Counterproliferation	8,868	6,816	7,138
Nuclear Counterterrorism & Incident Response	9,828	8,142	9,514
Program Direction - National Nuclear Security Administration	1,388	1,506	1,506
Research - Advanced Scientific Computing Research	4,635	600	3,664
Advanced Scientific Computing Research	4,635	600	3,664
Research - Basic Energy Sciences	23,694	23,694	23,694
Basic Energy Sciences	23,694	23,694	23,694
Research - Biological & Environmental Research	114,967		138,445
Biological and Environmental Research	114,967	122,967 122,967	138,445
-	723		1,200
Research - Fusion Energy Sciences		723	
Fusion Energy Sciences	723		1,200
Research - High Energy Physics	2,745	2,155	2,651

State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
High Energy Physics	2,745	2,155	2,651
Operations and Maintenance - Nuclear Physics	0	818	861
Nuclear Physics	0	818	861
Facilities and Infrastructure (SLI)	0	1,600	5,400
18-SC-71, Energy Sciences Capability, PNNL	23,000	0	0
Construction - Science Laboratories Infrastructure	23,000	0	0
Science Laboratories Infrastructure	23,000	1,600	5,400
Safeguards and Security - SC	13,512	13,512	19,958
Program Direction - SC	5,066	5,066	6,058
Vehicle Technologies	16,314	29,260	18,665
Bioenergy Technologies	17,800	17,800	16,000
Hydrogen and Fuel Cells Technologies	6,855	5,800	6,500
Sustainable Transportation	40,969	52,860	41,165
Solar Energy Technologies	5,347	5,347	7,380
Wind Energy Technologies	6,107	5,913	17,493
Water Power Technologies	14,186	19,692	15,911
Geothermal Technologies	700	0	0
Renewable Power	26,340	30,952	40,784
Advanced Manufacturing	1,779	0	0
Building Technologies	23,406	35,670	35,600
Federal Energy Management Program (EERE)	4,157	2,050	0
Weatherization Assistance Program (EERE)	5,649	5,649	0
State Energy Program Grants (EERE)	1,046	1,146	0
Weatherization and Intergovernmental Programs	6,695	6,795	0
Energy Efficiency	36,037	44,515	35,600
Strategic Programs	350	300	2,000
Corporate Support	350	300	2,000
Transmission Reliability and Resilience	10,103	0	6,850
Energy Delivery Grid Operations Technology	0	0	9,500
Resilient Distribution Systems	17,016	0	16,500
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	2,000
Energy Storage R&D	19,400	0	23,800
20-OE-100 Grid Storage Launchpad	22,968	23,000	0
Construction - Energy Storage	22,968	23,000	0
Energy Storage	42,368	23,000	23,800
Transformer Resilience and Advanced Components	140	0	1,000
Transmission Permitting and Technical Assistance	280	0	0
Program Direction - Electricity	6	0	6
Cybersecurity for Energy Delivery Systems	1,000	1,000	0
Infrastructure Security and Energy Restoration	16,700	16,700	0
Risk Management Technology and Tools	0	0	1,300
Response and Restoration	0	0	8,700
Information Sharing, Partnerships and Exercises	0	0	9,800
Carbon Capture	2,636	2,636	0
Carbon Storage	1,901	1,901	0
CCS and Power Systems	4,537	4,537	0
Advanced Energy Systems	256	256	0
Cross Cutting Research	456	456	0
Advanced Coal Energy Systems & CCUS	712	712	0
Advanced Oil and Gas Prod Tech (Unconv FE)	500	500	0

State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Natural Gas Technologies Research	1,000	1,000	0
Advanced Reactor Technologies	780	780	3,075
Reactor Concepts RD&D	780	780	3,075
Mining, Conversion, and Transportation	450	0	0
Materials Recovery and Waste Form Development	581	581	889
Accident Tolerant Fuels	85	85	93
Fuel Cycle Laboratory R&D	1,000	1,000	2,330
HALEU Availability	0	0	5,745
Used Nuclear Fuel Disposition R&D	7,825	7,825	7,825
Integrated Waste Management System	3,500	3,500	16,000
Fuel Cycle Research & Development	13,441	12,991	32,882
Crosscutting Technology Development	494	494	500
Nuclear Science User Facilities	229	229	350
Nuclear Energy Enabling Technologies	723	723	850
National Reactor Innovation Center	230	230	1,000
Regulatory Development	385	385	400
Advanced Reactors Safeguards	260	260	300
Advanced Reactors Demonstration Program	875	875	1,700
International Nuclear Energy Cooperation	0	0	250
Program Direction - Nuclear Energy	275	275	0
Interim Storage	6,000	6,000	0
Strategic Partnership Projects	100	100	8,745
Strategic Partnership Projects and Revenues	100	100	8,745
Environment, Health, Safety & Security	2,905	2,905	2,905
Environment, Health, Safety, and Security	2,905	2,905	2,905
Office of Technology Transitions (DA)	175	175	0
Central Plateau Remediation	670,000	670,000	650,240
River Corridor and Other Cleanup Operations	232,479	232,479	135,000
Richland Community and Regulatory Support	8,621	8,621	10,013
18-D-404 Modification of Waste Encapsulation and Storage Facility	15,000	15,000	3,100
22-D-401 L-888, 400 Area Fire Station	0	0	3,100
22-D-402 L-897, 200 Area Water Treatment Facility	0	0	8,900
23-D-404 181D Export Water System Reconfiguration and Upgrade	0	0	6,770
23-D-405 181B Export Water System Reconfiguration and Upgrade	0	0	480
Construction - Richland	15,000	15,000	22,350
Richland	926,100	926,100	817,603
Waste Treatment Immobilization Plant Commissioning	50,000	50,000	462,700
Rad Liquid Tank Waste Stabilization and Disposition	784,000	784,000	801,100
23-D-403, Hanford 200 West Area Tank Farms Risk Management Project	0	0	4,408
18-D-16 Waste treatment and immobilization plant - LBL/Direct Feed LAW	786,000	786,000	0
01-D-16D High-Level Waste Facility	25,000	25,000	316,200
01-D-16E Pretreatment Facility	0	0	20,000
Construction - Office of River Protection	811,000	811,000	340,608
Office of River Protection (ORP)	1,645,000	1,645,000	1,604,408
Program Direction - Defense Environmental Cleanup	65,399	65,399	72,810
Safeguards and Security - Defense Environmental Cleanup	96,300	96,300	96,300
Fast Flux Test Reactor Facility (WA)	2,500	2,500	3,200
Clean Energy Demonstrations	0	0	12,500
Grid Planning & Development	0	0	5,500
Grid Technical Assistance	0	0	2,000

State Table

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Program Direction - Grid Deployment Office	0	0	2
Total Washington	3,485,740	3,456,090	3,427,346

State Table

West Virginia FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
West Virginia			
Weatherization Assistance Program (EERE)	3,783	3,783	0
State Energy Program Grants (EERE)	611	611	0
Weatherization and Intergovernmental Programs	4,394	4,394	0
Energy Efficiency	4,394	4,394	0
Transmission Reliability and Resilience	250	0	2,000
Energy Delivery Grid Operations Technology	0	0	500
Resilient Distribution Systems	903	0	0
Cyber Resilient & Secure Utility Communication Network (SecureNet)	0	0	1,900
Energy Storage R&D	6	0	0
Energy Storage	6	0	0
Transformer Resilience and Advanced Components	1	0	0
Program Direction - Electricity	1,849	2,610	1,806
Carbon Capture	8,562	8,562	0
Carbon Utilization	4,365	4,365	0
Carbon Storage	15,509	15,509	0
CCS and Power Systems	28,436	28,436	0
Mineral Sustainability	7,357	7,357	0
Carbon Dioxide Removal	1,000	1,000	0
Strategic Petroleum Reserve (SPR)	488	488	300
Legacy Management Activities - Defense	2,403	2,403	1,976
Legacy Management	2,403	2,403	1,976
Loan Guarantee Program	136	720	720
Program Direction - OCED	0	0	3,050
Program Direction - Grid Deployment Office	0	0	568
Total West Virginia	47,223	47,408	12,820

State Table

Wisconsin FY 2023 (Dollars in Thousands)

	FY 2021	FY 2022	FY 2023
	Enacted	Annualized CR	Request Detail
Wisconsin			
Research - Biological & Environmental Research	27,613	27,613	26,035
Biological and Environmental Research	27,613	27,613	26,035
Research - Fusion Energy Sciences	993	993	1,727
Fusion Energy Sciences	993	993	1,727
Research - High Energy Physics	2,910	2,355	450
High Energy Physics	2,910	2,355	450
Weatherization Assistance Program (EERE)	10,696	10,696	0
State Energy Program Grants (EERE)	1,159	1,159	0
Weatherization and Intergovernmental Programs	11,855	11,855	0
Energy Efficiency	11,855	11,855	0
Total Wisconsin	43,371	42,816	28,212

State Table

Wyoming FY 2023 (Dollars in Thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request Detail
Wyoming			
Weatherization Assistance Program (EERE)	1,372	1,372	0
State Energy Program Grants (EERE)	411	411	0
Weatherization and Intergovernmental Programs	1,783	1,783	0
Energy Efficiency	1,783	1,783	0
Total Wyoming	1,783	1,783	0