

**DEPARTMENT OF ENERGY**

**Funding by Site**

Science BY 2022

(Dollars in Thousands)

FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
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**Ames Laboratory**

Research - Basic Energy Sciences	17,578	16,782	16,782
Basic Energy Sciences	17,578	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	0	275	225
Fusion Energy Sciences	0	275	225
Research - High Energy Physics	0	1,618	1,600
High Energy Physics	0	1,618	1,600
Workforce Development for Teachers & Scientists	709	0	0
21-SC-73, Ames Infrastructure Modernization	0	150	2,000
Construction - Science Laboratories Infrastructure	0	150	2,000
Science Laboratories Infrastructure	0	150	2,000
Safeguards and Security - SC	1,231	1,231	2,474
<b>Total Ames Laboratory</b>	<b>20,768</b>	<b>21,306</b>	<b>23,081</b>

**Ames Site Office**

Program Direction - SC	678	664	713
<b>Total Ames Site Office</b>	<b>678</b>	<b>664</b>	<b>713</b>

**Argonne National Laboratory**

Research - Advanced Scientific Computing Research	160,042	161,432	161,104
Advanced Scientific Computing Research	160,042	161,432	161,104
Research - Basic Energy Sciences	239,274	223,706	230,598
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	170,000	160,000	101,000
Construction - Basic Energy Sciences	170,000	160,000	101,000
Basic Energy Sciences	409,274	383,706	331,598
Research - Biological & Environmental Research	42,832	33,868	33,920
Biological and Environmental Research	42,832	33,868	33,920
Research - Fusion Energy Sciences	181	389	200
Fusion Energy Sciences	181	389	200
Research - High Energy Physics	13,913	16,795	13,918
High Energy Physics	13,913	16,795	13,918
Operations and Maintenance - Nuclear Physics	33,680	30,552	33,766
Nuclear Physics	33,680	30,552	33,766
Workforce Development for Teachers & Scientists	2,340	0	0
Facilities and Infrastructure (SLI)	10,800	0	0
20-SC-77, Argonne Utilities Upgrade, ANL (20-SC-79)	500	500	10,000
19-SC-72, Electrical Capacity and Distribution Capability, ANL	30,000	0	0
Construction - Science Laboratories Infrastructure	30,500	500	10,000
Science Laboratories Infrastructure	41,300	500	10,000
Safeguards and Security - SC	10,019	10,469	17,625
<b>Total Argonne National Laboratory</b>	<b>713,581</b>	<b>637,711</b>	<b>602,131</b>

**Argonne Site Office**

Program Direction - SC	4,424	3,997	4,485
<b>Total Argonne Site Office</b>	<b>4,424</b>	<b>3,997</b>	<b>4,485</b>

**Bay Area Site Office**

Program Direction - SC	5,834	6,027	5,983
<b>Total Bay Area Site Office</b>	<b>5,834</b>	<b>6,027</b>	<b>5,983</b>

**Brookhaven National Laboratory**

**DEPARTMENT OF ENERGY**

**Funding by Site**

Science BY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Research - Advanced Scientific Computing Research	1,228	2,313	1,580
Advanced Scientific Computing Research	1,228	2,313	1,580
Research - Basic Energy Sciences	182,858	167,542	181,501
Basic Energy Sciences	182,858	167,542	181,501
Research - Biological & Environmental Research	20,462	17,353	16,188
Biological and Environmental Research	20,462	17,353	16,188
Research - Fusion Energy Sciences	0	2,409	2,409
Fusion Energy Sciences	0	2,409	2,409
Research - High Energy Physics	80,167	75,692	58,873
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	2,942	3,516	6,000
Construction - High Energy Physics	2,942	3,516	6,000
High Energy Physics	83,109	79,208	64,873
Operations and Maintenance - Nuclear Physics	225,544	220,175	205,853
20-SC-52, Electron Ion Collider, BNL	1,000	5,000	20,000
Construction - Nuclear Physics	1,000	5,000	20,000
Nuclear Physics	226,544	225,175	225,853
Research - Accelerator R&D and Production	0	0	5,367
Accelerator R&D and Production	0	0	5,367
Workforce Development for Teachers & Scientists	2,852	0	0
20-SC-71, Critical Utilities Rehabilitation Project, BNL	20,000	20,000	26,000
19-SC-71, Science User Support Center, BNL	20,000	20,000	38,000
Construction - Science Laboratories Infrastructure	40,000	40,000	64,000
Science Laboratories Infrastructure	40,000	40,000	64,000
Safeguards and Security - SC	14,013	14,233	20,202
<b>Total Brookhaven National Laboratory</b>	<b>571,066</b>	<b>548,233</b>	<b>581,973</b>
<b>Brookhaven Site Office</b>			
Program Direction - SC	4,575	4,444	4,932
<b>Total Brookhaven Site Office</b>	<b>4,575</b>	<b>4,444</b>	<b>4,932</b>
<b>Chicago Operations Office</b>			
Research - Basic Energy Sciences	226,976	217,479	221,734
Basic Energy Sciences	226,976	217,479	221,734
Research - Biological & Environmental Research	2	23,772	0
Biological and Environmental Research	2	23,772	0
Research - Fusion Energy Sciences	7,799	41,878	50,287
Fusion Energy Sciences	7,799	41,878	50,287
Operations and Maintenance - Nuclear Physics	48,711	140,954	175,238
Nuclear Physics	48,711	140,954	175,238
PILT	1,650	1,650	0
Science Laboratories Infrastructure	1,650	1,650	0
Safeguards and Security - SC	50	0	0
<b>Total Chicago Operations Office</b>	<b>285,188</b>	<b>425,733</b>	<b>447,259</b>
<b>Consolidated Service Center - Illinois</b>			
PILT	0	1,500	2,410
Science Laboratories Infrastructure	0	1,500	2,410
Safeguards and Security - SC	0	2,199	2,556
Program Direction - SC	22,621	21,740	20,913
<b>Total Consolidated Service Center - Illinois</b>	<b>22,621</b>	<b>25,439</b>	<b>25,879</b>
<b>Consolidated Service Center - Tennessee</b>			
PILT	0	1,500	2,410
Oak Ridge Landlord	0	5,860	6,430

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Science BY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Science Laboratories Infrastructure	0	7,360	8,840
Safeguards and Security - SC	0	2,198	2,556
Program Direction - SC	22,621	21,741	20,914
<b>Total Consolidated Service Center - Tennessee</b>	<b>22,621</b>	<b>31,299</b>	<b>32,310</b>
<b>Fermi National Accelerator Laboratory</b>			
Research - Advanced Scientific Computing Research	874	874	700
Advanced Scientific Computing Research	874	874	700
Research - Basic Energy Sciences	135	0	0
Basic Energy Sciences	135	0	0
Research - High Energy Physics	323,994	326,113	307,892
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	60,000	79,000	90,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	168,058	167,484	170,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	0	2,000	13,000
Construction - High Energy Physics	228,058	248,484	273,000
High Energy Physics	552,052	574,597	580,892
Operations and Maintenance - Nuclear Physics	500	0	0
Nuclear Physics	500	0	0
Workforce Development for Teachers & Scientists	463	0	0
Facilities and Infrastructure (SL)	0	0	11,500
20-SC-80, Utilities Infrastructure Project, FNAL (20-SC-82)	500	500	13,300
17-SC-71, Integrated Engineering Research Center, FNAL	22,000	10,250	10,250
Construction - Science Laboratories Infrastructure	22,500	10,750	23,550
Science Laboratories Infrastructure	22,500	10,750	35,050
Safeguards and Security - SC	7,877	8,480	13,411
<b>Total Fermi National Accelerator Laboratory</b>	<b>584,401</b>	<b>594,701</b>	<b>630,053</b>
<b>Fermi Site Office</b>			
Program Direction - SC	3,070	3,452	3,408
<b>Total Fermi Site Office</b>	<b>3,070</b>	<b>3,452</b>	<b>3,408</b>
<b>Idaho National Laboratory</b>			
Research - Advanced Scientific Computing Research	70	70	0
Advanced Scientific Computing Research	70	70	0
Research - Basic Energy Sciences	3,723	570	570
Basic Energy Sciences	3,723	570	570
Research - Fusion Energy Sciences	2,500	1,646	3,550
Fusion Energy Sciences	2,500	1,646	3,550
Workforce Development for Teachers & Scientists	522	0	0
<b>Total Idaho National Laboratory</b>	<b>6,815</b>	<b>2,286</b>	<b>4,120</b>
<b>Idaho Operations Office</b>			
Research - Basic Energy Sciences	369	369	369
Basic Energy Sciences	369	369	369
<b>Total Idaho Operations Office</b>	<b>369</b>	<b>369</b>	<b>369</b>
<b>Lawrence Berkeley National Laboratory</b>			
Research - Advanced Scientific Computing Research	215,822	238,816	220,112
Advanced Scientific Computing Research	215,822	238,816	220,112
Research - Basic Energy Sciences	170,004	147,285	153,500
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	60,000	62,000	75,100
Construction - Basic Energy Sciences	60,000	62,000	75,100
Basic Energy Sciences	230,004	209,285	228,600
Research - Biological & Environmental Research	171,201	166,693	170,232

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Science BY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Biological and Environmental Research	171,201	166,693	170,232
Research - Fusion Energy Sciences	1,525	1,200	1,352
Fusion Energy Sciences	1,525	1,200	1,352
Research - High Energy Physics	68,664	71,772	63,326
High Energy Physics	68,664	71,772	63,326
Operations and Maintenance - Nuclear Physics	22,228	23,069	26,048
Nuclear Physics	22,228	23,069	26,048
Research - Accelerator R&D and Production	0	0	1,282
Accelerator R&D and Production	0	0	1,282
Workforce Development for Teachers & Scientists	1,586	0	0
20-SC-72, Seismic and Safety Modernization, LBNL	10,000	5,000	27,500
20-SC-78, Linear Assets Modernization Project, LBNL (20-SC-80)	500	500	12,850
19-SC-74, Biological & Environmental Program Integration Center (BioEPIC), LBNL	15,000	20,000	35,000
Construction - Science Laboratories Infrastructure	25,500	25,500	75,350
Science Laboratories Infrastructure	25,500	25,500	75,350
Safeguards and Security - SC	7,175	7,675	12,590
<b>Total Lawrence Berkeley National Laboratory</b>	<b>743,705</b>	<b>744,010</b>	<b>798,892</b>
<b>Lawrence Livermore National Laboratory</b>			
Research - Advanced Scientific Computing Research	2,472	5,254	3,490
Advanced Scientific Computing Research	2,472	5,254	3,490
Research - Basic Energy Sciences	2,948	2,091	2,091
Basic Energy Sciences	2,948	2,091	2,091
Research - Biological & Environmental Research	33,625	28,095	27,297
Biological and Environmental Research	33,625	28,095	27,297
Research - Fusion Energy Sciences	8,062	9,765	8,410
Fusion Energy Sciences	8,062	9,765	8,410
Research - High Energy Physics	3,750	3,665	2,271
High Energy Physics	3,750	3,665	2,271
Operations and Maintenance - Nuclear Physics	1,470	1,607	1,809
Nuclear Physics	1,470	1,607	1,809
Research - Accelerator R&D and Production	0	0	258
Accelerator R&D and Production	0	0	258
Workforce Development for Teachers & Scientists	431	0	0
<b>Total Lawrence Livermore National Laboratory</b>	<b>52,758</b>	<b>50,477</b>	<b>45,626</b>
<b>Los Alamos National Laboratory</b>			
Research - Advanced Scientific Computing Research	2,930	4,096	1,469
Advanced Scientific Computing Research	2,930	4,096	1,469
Research - Basic Energy Sciences	27,422	20,646	21,470
Basic Energy Sciences	27,422	20,646	21,470
Research - Biological & Environmental Research	36,735	32,230	32,247
Biological and Environmental Research	36,735	32,230	32,247
Research - Fusion Energy Sciences	3,910	1,700	650
Fusion Energy Sciences	3,910	1,700	650
Research - High Energy Physics	2,040	3,177	1,650
High Energy Physics	2,040	3,177	1,650
Operations and Maintenance - Nuclear Physics	12,972	8,259	10,178
Nuclear Physics	12,972	8,259	10,178
Research - Accelerator R&D and Production	0	0	50
Accelerator R&D and Production	0	0	50
Workforce Development for Teachers & Scientists	669	0	0
Safeguards and Security - SC	0	248	0
<b>Total Los Alamos National Laboratory</b>	<b>86,678</b>	<b>70,356</b>	<b>67,714</b>

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Science BY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
<b>National Renewable Energy Laboratory</b>			
Research - Basic Energy Sciences	12,109	5,742	5,742
Basic Energy Sciences	12,109	5,742	5,742
Research - Biological & Environmental Research	3,848	3,877	3,500
Biological and Environmental Research	3,848	3,877	3,500
Workforce Development for Teachers & Scientists	2,095	0	0
<b>Total National Renewable Energy Laboratory</b>	<b>18,052</b>	<b>9,619</b>	<b>9,242</b>
<b>Oak Ridge Institute for Science &amp; Education</b>			
Research - Advanced Scientific Computing Research	0	500	0
Advanced Scientific Computing Research	0	500	0
Research - Basic Energy Sciences	0	28	0
Basic Energy Sciences	0	28	0
Research - Biological & Environmental Research	3,549	778	1,838
Biological and Environmental Research	3,549	778	1,838
Research - High Energy Physics	0	170	0
High Energy Physics	0	170	0
Operations and Maintenance - Nuclear Physics	697	0	239
Nuclear Physics	697	0	239
Workforce Development for Teachers & Scientists	12,653	0	0
Safeguards and Security - SC	1,894	2,425	3,861
<b>Total Oak Ridge Institute for Science &amp; Education</b>	<b>18,793</b>	<b>3,901</b>	<b>5,938</b>
<b>Oak Ridge National Laboratory</b>			
Research - Advanced Scientific Computing Research	235,031	251,854	247,946
17-SC-20, SC Exascale Computing Project (ECP)	188,735	168,945	129,000
Advanced Scientific Computing Research	423,766	420,799	376,946
Research - Basic Energy Sciences	374,486	350,012	337,923
19-SC-14, Second Target Station (STS), ORNL	0	29,000	32,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	80,000	52,000	17,000
Construction - Basic Energy Sciences	80,000	81,000	49,000
Basic Energy Sciences	454,486	431,012	386,923
Research - Biological & Environmental Research	92,633	86,641	85,557
Biological and Environmental Research	92,633	86,641	85,557
Research - Fusion Energy Sciences	31,362	27,947	35,682
14-SC-60, U.S. Contributions to ITER (U.S. ITER)	242,000	242,000	221,000
Construction - Fusion Energy Sciences	242,000	242,000	221,000
Fusion Energy Sciences	273,362	269,947	256,682
Research - High Energy Physics	697	1,253	990
High Energy Physics	697	1,253	990
Operations and Maintenance - Nuclear Physics	13,605	15,436	17,757
Nuclear Physics	13,605	15,436	17,757
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	12,000	12,000	0
Construction - Isotope R&D and Production	12,000	12,000	0
Isotope R&D and Production	12,000	12,000	0
Research - Accelerator R&D and Production	0	0	57
Accelerator R&D and Production	0	0	57
Oak Ridge Nuclear Operations	26,000	26,000	20,000
22-SC-71, Critical Infrastructure Modernization Project (CIMP), ORNL	0	0	1,000
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-74)	15,000	25,000	0
19-SC-73, Translational Research Capability, ORNL	25,000	22,000	21,500
Construction - Science Laboratories Infrastructure	40,000	47,000	22,500
Science Laboratories Infrastructure	66,000	73,000	42,500
Safeguards and Security - SC	29,973	30,166	35,947
<b>Total Oak Ridge National Laboratory</b>	<b>1,366,522</b>	<b>1,340,254</b>	<b>1,203,359</b>

**DEPARTMENT OF ENERGY**

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Science BY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
<b>Oak Ridge National Laboratory Site Office</b>			
Program Direction - SC	5,934	4,757	6,382
<b>Total Oak Ridge National Laboratory Site Office</b>	<b>5,934</b>	<b>4,757</b>	<b>6,382</b>
<b>Oak Ridge Office</b>			
PILT	2,890	0	0
Oak Ridge Landlord	5,610	0	0
Facilities and Infrastructure (SLI)	7,272	0	0
Science Laboratories Infrastructure	15,772	0	0
Safeguards and Security - SC	4,558	0	0
<b>Total Oak Ridge Office</b>	<b>20,330</b>	<b>0</b>	<b>0</b>
<b>Office of Scientific &amp; Technical Information</b>			
Research - Advanced Scientific Computing Research	157	0	0
Advanced Scientific Computing Research	157	0	0
Research - Basic Energy Sciences	0	161	0
Basic Energy Sciences	0	161	0
Research - Biological & Environmental Research	185	285	159
Biological and Environmental Research	185	285	159
Research - High Energy Physics	189	0	0
High Energy Physics	189	0	0
Operations and Maintenance - Nuclear Physics	285	0	455
Nuclear Physics	285	0	455
Facilities and Infrastructure (SLI)	200	200	200
Science Laboratories Infrastructure	200	200	200
Safeguards and Security - SC	759	759	2,045
Program Direction - SC	9,397	10,477	10,619
<b>Total Office of Scientific &amp; Technical Information</b>	<b>11,172</b>	<b>11,882</b>	<b>13,478</b>
<b>Pacific Northwest National Laboratory</b>			
Research - Advanced Scientific Computing Research	4,360	4,635	600
Advanced Scientific Computing Research	4,360	4,635	600
Research - Basic Energy Sciences	33,838	23,694	23,694
Basic Energy Sciences	33,838	23,694	23,694
Research - Biological & Environmental Research	132,882	113,325	138,894
Biological and Environmental Research	132,882	113,325	138,894
Research - Fusion Energy Sciences	650	723	1,678
Fusion Energy Sciences	650	723	1,678
Research - High Energy Physics	1,855	1,995	1,300
High Energy Physics	1,855	1,995	1,300
Operations and Maintenance - Nuclear Physics	830	0	0
Nuclear Physics	830	0	0
Workforce Development for Teachers & Scientists	1,589	0	0
Facilities and Infrastructure (SLI)	0	0	1,600
18-SC-71, Energy Sciences Capability, PNNL	23,000	23,000	0
Construction - Science Laboratories Infrastructure	23,000	23,000	0
Science Laboratories Infrastructure	23,000	23,000	1,600
Safeguards and Security - SC	12,759	13,512	19,093
<b>Total Pacific Northwest National Laboratory</b>	<b>211,763</b>	<b>180,884</b>	<b>186,859</b>
<b>Pacific Northwest Site Office</b>			
Program Direction - SC	5,186	5,066	5,599
<b>Total Pacific Northwest Site Office</b>	<b>5,186</b>	<b>5,066</b>	<b>5,599</b>
<b>Princeton Plasma Physics Laboratory</b>			
Research - Advanced Scientific Computing Research	335	400	0

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(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Advanced Scientific Computing Research	335	400	0
Research - Fusion Energy Sciences	83,350	65,015	76,006
Fusion Energy Sciences	83,350	65,015	76,006
Workforce Development for Teachers & Scientists	729	0	0
21-SC-71, Princeton Plasma Innovation Center, PPPL	0	150	7,750
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	0	150	2,000
20-SC-76, Tritium System Demolition and Disposal, PPPL (20-SC-78)	13,000	13,000	6,400
Construction - Science Laboratories Infrastructure	13,000	13,300	16,150
Science Laboratories Infrastructure	13,000	13,300	16,150
Safeguards and Security - SC	3,358	3,358	5,586
<b>Total Princeton Plasma Physics Laboratory</b>	<b>100,772</b>	<b>82,073</b>	<b>97,742</b>
<b>Princeton Site Office</b>			
Program Direction - SC	1,910	1,991	2,036
<b>Total Princeton Site Office</b>	<b>1,910</b>	<b>1,991</b>	<b>2,036</b>
<b>Sandia National Laboratories</b>			
Research - Advanced Scientific Computing Research	14,920	18,509	14,862
Advanced Scientific Computing Research	14,920	18,509	14,862
Research - Basic Energy Sciences	26,900	24,264	24,390
Basic Energy Sciences	26,900	24,264	24,390
Research - Biological & Environmental Research	12,350	15,928	16,535
Biological and Environmental Research	12,350	15,928	16,535
Research - Fusion Energy Sciences	0	2,100	3,100
Fusion Energy Sciences	0	2,100	3,100
Research - High Energy Physics	0	50	500
High Energy Physics	0	50	500
Workforce Development for Teachers & Scientists	235	0	0
<b>Total Sandia National Laboratories</b>	<b>54,405</b>	<b>60,851</b>	<b>59,387</b>
<b>Savannah River National Laboratory</b>			
Research - Basic Energy Sciences	410	0	0
Basic Energy Sciences	410	0	0
Research - Biological & Environmental Research	115	150	0
Biological and Environmental Research	115	150	0
Research - Fusion Energy Sciences	400	75	150
Fusion Energy Sciences	400	75	150
Workforce Development for Teachers & Scientists	73	0	0
<b>Total Savannah River National Laboratory</b>	<b>998</b>	<b>225</b>	<b>150</b>
<b>SLAC National Accelerator Laboratory</b>			
Research - Advanced Scientific Computing Research	1,170	670	450
Advanced Scientific Computing Research	1,170	670	450
Research - Basic Energy Sciences	231,945	215,455	225,178
21-SC-10, Cryomodule Repair and Maintenance Facility, SLAC	0	1,000	1,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	50,000	52,000	50,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	0	33,000	28,100
Construction - Basic Energy Sciences	50,000	86,000	79,100
Basic Energy Sciences	281,945	301,455	304,278
Research - Biological & Environmental Research	5,270	4,100	3,100
Biological and Environmental Research	5,270	4,100	3,100
Research - Fusion Energy Sciences	6,800	5,495	5,945
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	15,000	15,000	5,000
Construction - Fusion Energy Sciences	15,000	15,000	5,000
Fusion Energy Sciences	21,800	20,495	10,945

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	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Research - High Energy Physics	66,589	81,678	75,715
High Energy Physics	66,589	81,678	75,715
Operations and Maintenance - Nuclear Physics	1,336	1,166	1,341
Nuclear Physics	1,336	1,166	1,341
Research - Accelerator R&D and Production	0	0	1,320
Accelerator R&D and Production	0	0	1,320
Workforce Development for Teachers & Scientists	817	0	0
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-75)	11,000	11,000	12,000
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC (20-SC-81)	500	500	10,000
Construction - Science Laboratories Infrastructure	11,500	11,500	22,000
Science Laboratories Infrastructure	11,500	11,500	22,000
Safeguards and Security - SC	4,328	3,914	8,359
<b>Total SLAC National Accelerator Laboratory</b>	<b>394,755</b>	<b>424,978</b>	<b>427,508</b>
<b>Thomas Jefferson National Accelerator Facility</b>			
Research - Advanced Scientific Computing Research	382	360	0
Advanced Scientific Computing Research	382	360	0
Research - Biological & Environmental Research	242	0	0
Biological and Environmental Research	242	0	0
Research - High Energy Physics	750	420	0
High Energy Physics	750	420	0
Operations and Maintenance - Nuclear Physics	133,267	129,353	157,984
Nuclear Physics	133,267	129,353	157,984
Research - Accelerator R&D and Production	0	0	350
Accelerator R&D and Production	0	0	350
Workforce Development for Teachers & Scientists	237	0	0
Facilities and Infrastructure (SL)	0	0	3,900
22-SC-72, Infrastructure Improvements (TJII), TJNAF	0	0	1,000
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-73)	2,000	2,000	10,000
Construction - Science Laboratories Infrastructure	2,000	2,000	11,000
Science Laboratories Infrastructure	2,000	2,000	14,900
Safeguards and Security - SC	3,037	3,037	4,819
<b>Total Thomas Jefferson National Accelerator Facility</b>	<b>139,915</b>	<b>135,170</b>	<b>178,053</b>
<b>Thomas Jefferson Site Office</b>			
Program Direction - SC	2,148	1,812	2,253
<b>Total Thomas Jefferson Site Office</b>	<b>2,148</b>	<b>1,812</b>	<b>2,253</b>
<b>Washington Headquarters</b>			
Research - Advanced Scientific Computing Research	108,321	88,623	114,657
Advanced Scientific Computing Research	108,321	88,623	114,657
Research - Basic Energy Sciences	125,115	439,674	156,830
Basic Energy Sciences	125,115	439,674	156,830
Research - Biological & Environmental Research	30,112	6,170	99,121
Biological and Environmental Research	30,112	6,170	99,121
Research - Fusion Energy Sciences	143,174	124,899	168,532
Fusion Energy Sciences	143,174	124,899	168,532
Research - High Energy Physics	94,790	68,224	100,907
High Energy Physics	94,790	68,224	100,907
Operations and Maintenance - Nuclear Physics	79,483	67,784	28,313
20-SC-51, U.S. Stable Isotope Production and Research Center, (SIPRC)	0	0	12,000
Construction - Nuclear Physics	0	0	12,000
Nuclear Physics	79,483	67,784	40,313
Research - Isotope R&D and Production	0	0	78,000
Isotope R&D and Production	0	0	78,000



**DEPARTMENT OF ENERGY**

**Funding by Site**

Science BY 2022

(Dollars in Thousands)

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request Detail
Research - Accelerator R&D and Production	0	0	7,774
Accelerator R&D and Production	0	0	7,774
Facilities and Infrastructure (SLI)	38,578	29,590	0
Science Laboratories Infrastructure	38,578	29,590	0
Safeguards and Security - SC	11,669	17,096	18,876
Program Direction - SC	97,902	105,832	113,763
<b>Total Washington Headquarters</b>	<b>729,144</b>	<b>947,892</b>	<b>898,773</b>
<b>Grants</b>			
Research - Advanced Scientific Computing Research	17,464	18,097	18,691
Advanced Scientific Computing Research	17,464	18,097	18,691
Research - Basic Energy Sciences	136,088	500	500
Basic Energy Sciences	136,088	500	500
Research - Biological & Environmental Research	162,707	112,395	75,645
Biological and Environmental Research	162,707	112,395	75,645
Research - Fusion Energy Sciences	98,693	87,028	69,873
Fusion Energy Sciences	98,693	87,028	69,873
Research - High Energy Physics	95,362	112,670	108,056
High Energy Physics	95,362	112,670	108,056
Operations and Maintenance - Nuclear Physics	58,959	0	0
14-SC-50, Facility for Rare Isotope Beams, MSU	40,000	5,300	0
Construction - Nuclear Physics	40,000	5,300	0
Nuclear Physics	98,959	5,300	0
Research - Accelerator R&D and Production	0	0	2,600
Accelerator R&D and Production	0	0	2,600
<b>Total Grants</b>	<b>609,273</b>	<b>335,990</b>	<b>275,365</b>
<b>Undesignated LPI</b>			
Research - Advanced Scientific Computing Research	25,687	49,552	125,339
Advanced Scientific Computing Research	25,687	49,552	125,339
Research - Basic Energy Sciences	40,822	0	392,928
Basic Energy Sciences	40,822	0	392,928
Research - Biological & Environmental Research	0	106,090	123,767
Biological and Environmental Research	0	106,090	123,767
Research - Fusion Energy Sciences	25,594	42,456	20,951
Fusion Energy Sciences	25,594	42,456	20,951
Research - High Energy Physics	61,240	28,708	45,002
High Energy Physics	61,240	28,708	45,002
Operations and Maintenance - Nuclear Physics	26,433	52,345	41,019
Nuclear Physics	26,433	52,345	41,019
Research - Accelerator R&D and Production	0	0	4,942
Accelerator R&D and Production	0	0	4,942
Workforce Development for Teachers & Scientists	0	29,000	35,000
<b>Total Undesignated LPI</b>	<b>179,776</b>	<b>308,151</b>	<b>788,948</b>
<b>Total Funding by Site for TAS_0222 - Science</b>	<b>7,000,000</b>	<b>7,026,000</b>	<b>7,440,000</b>