

**Science
Funding by Congressional Control**

(dollars in thousands)

	FY 2019 Enacted	FY 2020 Enacted	FY 2021 Request	FY 2021 Request vs FY 2020 Enacted
Advanced Scientific Computing Research				
Research	702,794	791,265	819,106	+27,841
17-SC-20, Office of Science Exascale Computing Project (SC-ECP)	232,706	188,735	168,945	-19,790
Total, Advanced Scientific Computing Research	935,500	980,000	988,051	+8,051
Basic Energy Sciences				
Research	1,757,700	1,853,000	1,751,673	-101,327
Construction				
21-SC-10, Cryomodule Repair & Maintenance Facility, SLAC	—	—	1,000	+1,000
19-SC-14, Second Target Station (STS), ORNL	1,000	20,000	1,000	-19,000
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	130,000	170,000	150,000	-20,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	60,000	60,000	5,000	-55,000
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL (19-SC-10)	60,000	60,000	13,000	-47,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC (19-SC-11)	28,000	50,000	14,000	-36,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	129,300	—	—	—
Total, Construction	408,300	360,000	184,000	-176,000
Total, Basic Energy Sciences	2,166,000	2,213,000	1,935,673	-277,327
Biological and Environmental Research	705,000	750,000	516,934	-233,066
Fusion Energy Sciences				
Research	432,000	414,000	313,151	-100,849
Construction				
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade	—	15,000	5,000	-10,000
14-SC-60, U.S. Contributions to ITER	132,000	242,000	107,000	-135,000
Total, Construction	132,000	257,000	112,000	-145,000
Total, Fusion Energy Sciences	564,000	671,000	425,151	-245,849

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High Energy Physics				
Research	800,000	814,000	697,631	-116,369
Construction				
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	20,000	60,000	20,000	-40,000
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE), FNAL	130,000	171,000	100,500	-70,500
11-SC-41, Muon to Electron Conversion Experiment, FNAL	30,000	—	—	—
Total, Construction	180,000	231,000	120,500	-110,500
Total, High Energy Physics	980,000	1,045,000	818,131	-226,869
Nuclear Physics				
Operation and Maintenance	615,000	660,000	635,027	-24,973
Construction				
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	—	12,000	12,000	—
20-SC-52, Electron Ion Collider, BNL	—	1,000	1,000	—
14-SC-50, Facility for Rare Isotope Beams, MSU	75,000	40,000	5,300	-34,700
Total, Construction	75,000	53,000	18,300	-34,700
Total, Nuclear Physics	690,000	713,000	653,327	-59,673
Workforce Development for Teachers and Scientists	22,500	28,000	20,500	-7,500
Science Laboratories Infrastructure				
Infrastructure Support				
Payment in Lieu of Taxes	1,713	4,540	4,650	+110
Oak Ridge Landlord	6,434	5,610	5,860	+250
Facilities and Infrastructure	45,543	56,850	6,200	-50,650
Oak Ridge Nuclear Operations	26,000	26,000	6,000	-20,000
Total, Infrastructure Support	79,690	93,000	22,710	-70,290

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Construction				
21-SC-71, Princeton Plasma Innovation Center, PPPL	—	—	2,000	+2,000
21-SC-72, Critical Infrastructure Recovery & Renewal, PPPL	—	—	2,000	+2,000
21-SC-73, Ames Infrastructure Modernization	—	—	2,000	+2,000
20-SC-71, Critical Utilities Rehabilitation Project, BNL	—	20,000	15,000	-5,000
20-SC-72, Seismic and Safety Modernization, LBNL	—	10,000	10,000	—
20-SC-73, CEBAF Renovation and Expansion, TJNAF (19-SC-75)	—	2,000	2,000	—
20-SC-74, Craft Resources Support Facility, ORNL (19-SC-76)	—	15,000	25,000	+10,000
20-SC-75, Large Scale Collaboration Center, SLAC (19-SC-77)	—	11,000	8,000	-3,000
20-SC-76, Tritium System Demolition and Disposal, PPPL	—	13,000	19,400	+6,400
20-SC-77, Argonne Utilities Upgrade, ANL	—	500	2,000	+1,500
20-SC-78, Linear Assets Modernization Project, LBNL	—	500	2,000	+1,500
20-SC-79, Critical Utilities Infrastructure Revitalization, SLAC	—	500	2,000	+1,500
20-SC-80, Utilities Infrastructure Project, FNAL	—	500	2,000	+1,500
19-SC-71, Science User Support Center, BNL	7,000	20,000	7,000	-13,000
19-SC-72, Electrical Capacity and Distribution Capability, ANL	30,000	30,000	—	-30,000
19-SC-73, Translational Research Capability, ORNL	25,000	25,000	10,000	-15,000
19-SC-74, BioEPIC, LBNL	5,000	15,000	6,000	-9,000
18-SC-71, Energy Sciences Capability, PNNL	24,000	23,000	23,000	—
17-SC-71, Integrated Engineering Research Center, FNAL	20,000	22,000	12,000	-10,000
17-SC-73, Core Facility Revitalization, BNL	42,200	—	—	—
Total, Construction	153,200	208,000	151,400	-56,600
Total, Science Laboratories Infrastructure	232,890	301,000	174,110	-126,890
Safeguards and Security	106,110	112,700	115,623	+2,923
Program Direction	183,000	186,300	190,306	+4,006
Total, Science	6,585,000	7,000,000	5,837,806	-1,162,194
Federal FTEs	810	785	785	—

SBIR/STTR funding:

- FY 2019 Enacted: SBIR \$148,264,000 and STTR \$20,851,000 (SC only)
- FY 2020 Enacted: SBIR \$159,140,000 and STTR \$22,279,000 (SC only)
- FY 2021 Request: SBIR \$139,901,000 and STTR \$19,390,000 (SC only)