## Science Funding by Congressional Control

(dollars in thousands)

	(dollars in thousands)			
	FY 2018 Enacted	FY 2019 Enacted	FY 2020 Request	FY 2020 Request vs FY 2019 Enacted
Advanced Scientific Computing Research				_
Research	605,000	702,794	732,153	+29,359
17-SC-20, Office of Science Exascale Computing Project (SC-ECP)	205,000	232,706	188,735	-43,971
Total, Advanced Scientific Computing Research	810,000	935,500	920,888	-14,612
Basic Energy Sciences				
Research	1,744,900	1,757,700	1,675,285	-82,415
Construction				
19-SC-14, Second Target Station (STS), ORNL	_	1,000	1,000	_
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	93,000	130,000	150,000	+20,000
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	36,000	60,000	5,000	-55,000
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL (19-SC-10)	16,000	60,000	13,000	-47,000
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC (19-SC-11)	8,000	28,000	14,000	-14,000
13-SC-10, Linac Coherent Light Source-II (LCLS-II), SLAC	192,100	129,300	_	-129,300
Total, Construction	345,100	408,300	183,000	-225,300
Total, Basic Energy Sciences	2,090,000	2,166,000	1,858,285	-307,715
Biological and Environmental Research	673,000	705,000	494,434	-210,566
Fusion Energy Sciences				
Research	410,111	432,000	294,750	-137,250
Construction				
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade	_	_	1,000	+1,000
14-SC-60, U.S. Contributions to ITER	122,000	132,000	107,000	-25,000
Total, Construction	122,000	132,000	108,000	-24,000
Total, Fusion Energy Sciences	532,111	564,000	402,750	-161,250

(dollars in thousands)

	FY 2018 Enacted	FY 2019 Enacted	FY 2020 Request	FY 2020 Request vs FY 2019 Enacted
High Energy Physics				
Research	767,600	800,000	648,038	-151,962
Construction				
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	1,000	20,000	20,000	_
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE), FNAL	95,000	130,000	100,000	-30,000
11-SC-41, Muon to Electron Conversion Experiment, FNAL	44,400	30,000	_	-30,000
Total, Construction	140,400	180,000	120,000	-60,000
Total, High Energy Physics	908,000	980,000	768,038	-211,962
Nuclear Physics				
Operation and Maintenance	586,800	615,000	579,854	-35,146
Construction				
20-SC-51, U.S. Stable Isotope Production and Research Center, ORNL	_	_	5,000	+5,000
14-SC-50, Facility for Rare Isotope Beams, MSU	97,200	75,000	40,000	-35,000
Total, Construction	97,200	75,000	45,000	-30,000
Total, Nuclear Physics	684,000	690,000	624,854	-65,146
Workforce Development for Teachers and Scientists	19,500	22,500	19,500	-3,000
Science Laboratories Infrastructure				
Infrastructure Support				
Payment in Lieu of Taxes	1,713	1,713	4,540	+2,827
Oak Ridge Landlord	6,382	6,434	5,610	-824
Facilities and Infrastructure	70,347	45,543	25,050	-20,493
Oak Ridge Nuclear Operations	26,000	26,000	10,000	-16,000
Total, Infrastructure Support	104,442	79,690	45,200	-35,490
Construction				
20-SC-71, Critical Utilities Rehabilitation Project, BNL	_	_	12,000	+12,000
20-SC-72, Seismic and Safety Modernization, LBNL	_	_	5,000	+5,000
20-SC-75, CEBAF Renovation and Expansion, TJNAF (19-SC-75)	_	_	2,000	+2,000
20-SC-76, Craft Resources Support Facility, ORNL (19-SC-76)	_	_	20,000	+20,000
20-SC-77, Large Scale Collaboration Center, SLAC (19-SC-77)	_	_	3,000	+3,000
19-SC-71, Science User Support Center, BNL	_	7,000	6,400	-600
19-SC-72, Electrical Capacity and Distribution Capability, ANL	_	30,000	30,000	_

(dollars in thousands)

			FY 2020 Request vs	
FY 2018 Enacted	FY 2019 Enacted	FY 2020 Request	FY 2019 Enacted	
_	25,000	15,000	-10,000	
_	5,000	6,000	+1,000	
20,000	24,000	9,000	-15,000	
20,000	20,000	10,000	-10,000	
30,000	42,200	_	-42,200	
44,500	_	_	_	
38,350	_	_	_	
152,850	153,200	118,400	-34,800	
257,292	232,890	163,600	-69,290	
103,000	106,110	110,623	+4,513	
183,000	183,000	183,000	_	
6,259,903	6,585,000	5,545,972	-1,039,028	
825	810	797	-13	

19-SC-73, Translational Research Capacity, ORNL

19-SC-74, BioEPIC, LBNL

18-SC-71, Energy Sciences Capability, PNNL

17-SC-71, Integrated Engineering Research Center, FNAL

17-SC-73, Core Facility Revitalization, BNL

15-SC-76, Materials Design Laboratory, ANL

15-SC-78, Integrative Genomics Building, LBNL

Total, Construction

**Total, Science Laboratories Infrastructure** 

Safeguards and Security

**Program Direction** 

Total, Science Federal FTEs

## **SBIR/STTR funding:**

• FY 2018 Enacted: SBIR \$143,935,000 and STTR \$20,240,000 (SC only)

FY 2019 Enacted: SBIR \$148,264,000 and STTR \$20,851,000 (SC only)

FY 2020 Request: SBIR \$132,747,000 and STTR \$18,667,000 (SC only)