

Science
Funding by Congressional Control

(dollars in thousands)

	FY 2021 Enacted	FY 2022 Annualized CR	FY 2023 Request	FY 2023 Request vs FY 2021 Enacted (\$)	FY 2023 Request vs FY 2021 Enacted (%)
Advanced Scientific Computing Research					
ASCR Research	846,055	886,000	991,741	+145,686	+17.22%
17-SC-20, SC Exascale Computing Project (ECP)	168,945	129,000	77,000	-91,945	-54.42%
Total, Advanced Scientific Computing Research	1,015,000	1,015,000	1,068,741	+53,741	+5.29%
Basic Energy Sciences					
BES Research	1,856,000	1,940,800	2,127,239	+271,239	+14.61%
Construction					
21-SC-10, Cryomodule Repair & Maintenance Facility, (CRMF), SLAC	1,000	1,000	10,000	+9,000	+900.00%
19-SC-14, Second Target Station (STS), ORNL	29,000	32,000	32,000	+3,000	+10.34%
18-SC-10, Advanced Photon Source Upgrade (APS-U), ANL	160,000	101,000	9,200	-150,800	-94.25%
18-SC-11, Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	52,000	17,000	17,000	-35,000	-67.31%
18-SC-12, Advanced Light Source Upgrade (ALS-U), LBNL	62,000	75,100	135,000	+73,000	+117.74%
18-SC-13, Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	52,000	50,000	90,000	+38,000	+73.08%
13-SC-10 - Linac Coherent Light Source-II (LCLS-II), SLAC	33,000	28,100	–	-33,000	-100.00%
Total, Construction	389,000	304,200	293,200	-95,800	-24.63%
Total, Basic Energy Sciences	2,245,000	2,245,000	2,420,439	+175,439	+7.81%

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Biological and Environmental Research					
BER Research	753,000	753,000	903,685	+150,685	+20.01%
Construction					
Total, Biological and Environmental Research	753,000	753,000	903,685	+150,685	+20.01%
Fusion Energy Sciences					
FES Research	415,000	446,000	482,222	+67,222	+16.20%
Construction					
20-SC-61, Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	15,000	5,000	1,000	-14,000	-93.33%
14-SC-60, U.S. Contributions to ITER	242,000	221,000	240,000	-2,000	-0.83%
Total, Construction	257,000	226,000	241,000	-16,000	-6.23%
Total, Fusion Energy Sciences	672,000	672,000	723,222	+51,222	+7.62%
High Energy Physics					
HEP Research	794,000	750,065	824,020	+30,020	+3.78%
Construction					
18-SC-42, Proton Improvement Plan II (PIP-II), FNAL	79,000	90,000	120,000	+41,000	+51.90%
11-SC-40, Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	171,000	176,000	176,000	+5,000	+2.92%
11-SC-41, Muon to Electron Conversion Experiment, FNAL	2,000	13,000	2,000	–	–
Total, Construction	252,000	279,000	298,000	+46,000	+18.25%
Total, High Energy Physics	1,046,000	1,029,065	1,122,020	+76,020	+7.27%

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Nuclear Physics					
NP Operation and Maintenance	690,700	624,000	719,196	+28,496	+4.13%
Construction					
14-SC-50, Facility for Rare Isotope Beams (FRIB), MSU	5,300	–	–	-5,300	-100.00%
20-SC-51, U.S. Stable Isotope Production and Research Center (SIPRC)	12,000	–	–	-12,000	-100.00%
20-SC-52, Electron Ion Collider (EIC), BNL	5,000	5,000	20,000	+15,000	+300.00%
Total, Construction	22,300	5,000	20,000	-2,300	-10.31%
Total, Nuclear Physics	713,000	629,000	739,196	+26,196	+3.67%
Isotope R&D and Production					
IRP Research	–	72,000	85,451	+85,451	–
Construction					
20-SC-51, U.S. Stable Isotope Production and Research Center (SIPRC), ORNL	–	12,000	12,000	+12,000	–
Total, Construction	–	12,000	12,000	+12,000	–
Total, Isotope R&D and Production	–	84,000	97,451	+97,451	–
Accelerator R&D and Production					
ARDAP Research	–	16,935	27,436	+27,436	–
Total, Accelerator R&D and Production	–	16,935	27,436	+27,436	–
Workforce Development for Teachers and Scientists					
WDTS	29,000	29,000	41,300	+12,300	+42.41%
Total, Workforce Development for Teachers and Scientists	29,000	29,000	41,300	+12,300	+42.41%

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Science Laboratories Infrastructure					
PILT	4,650	4,820	4,891	+241	+5.18%
Oak Ridge Landlord	5,860	6,430	6,559	+699	+11.93%
SLI F&I	29,790	17,200	15,200	-14,590	-48.98%
OR Nuclear Operations	26,000	20,000	20,000	-6,000	-23.08%
Construction					
21-SC-71, Princeton Plasma Innovation Center (PPIC), PPPL	150	900	10,000	+9,850	+6,566.67%
21-SC-72, Critical Infrastructure Recovery & Renewal (CIRR), PPPL	150	2,000	4,000	+3,850	+2,566.67%
21-SC-73, Ames Infrastructure Modernization (AIM)	150	–	–	-150	-100.00%
20-SC-71, Critical Utilities Rehabilitation Project (CURP), BNL	20,000	26,000	13,000	-7,000	-35.00%
20-SC-72, Seismic and Safety Modernization (SSM), LBNL	5,000	27,500	27,500	+22,500	+450.00%
20-SC-73, CEBAF Renovation and Expansion (CEBAF), TJNAF	2,000	10,000	2,000	–	–
20-SC-74, Craft Resources Support Facility (CRSF), ORNL	25,000	–	–	-25,000	-100.00%
20-SC-75, Large Scale Collaboration Center (LSCC), SLAC	11,000	12,000	30,000	+19,000	+172.73%
20-SC-76, Tritium System Demolition and Disposal (TSDD), PPPL	13,000	6,400	–	-13,000	-100.00%
20-SC-77, Argonne Utilities Upgrade (AU2), ANL	500	500	8,000	+7,500	+1,500.00%
20-SC-78, Linear Assets Modernization Project (LAMP), LBNL	500	500	23,425	+22,925	+4,585.00%
20-SC-79, Critical Utilities Infrastructure Revitalization (CUIR), SLAC	500	500	25,425	+24,925	+4,985.00%
20-SC-80, Utilities Infrastructure Project (UIP), FNAL	500	500	20,000	+19,500	+3,900.00%
19-SC-71, Science User Support Center (SUSC), BNL	20,000	38,000	–	-20,000	-100.00%
19-SC-73, Translational Research Capability (TRC), ORNL	22,000	21,500	–	-22,000	-100.00%
19-SC-74, BioEPIC, LBNL	20,000	35,000	45,000	+25,000	+125.00%
18-SC-71, Energy Sciences Capability (ESC), PNNL	23,000	–	–	-23,000	-100.00%
17-SC-71, Integrated Engineering Research Center (IERC), FNAL	10,250	10,250	–	-10,250	-100.00%
Total, Construction	173,700	191,550	208,350	+34,650	+19.95%
Total, Science Laboratories Infrastructure	240,000	240,000	255,000	+15,000	+6.25%

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Safeguards and Security					
S&S	121,000	121,000	189,510	+68,510	+56.62%
Total, Safeguards and Security	121,000	121,000	189,510	+68,510	+56.62%
Program Direction					
PD	192,000	192,000	211,211	+19,211	+10.01%
Total, Program Direction	192,000	192,000	211,211	+19,211	+10.01%
Total, Office of Science	7,026,000	7,026,000	7,799,211	+773,211	+11.00%

SBIR/STTR funding:

- FY 2021 Enacted: SBIR \$159,540,000 and STTR \$22,440,000 (SC only)
- FY 2022 Annualized CR: SBIR \$164,796,000 and STTR \$23,186,000 (SC only)
- FY 2023 Request: SBIR \$182,160,000 and STTR \$25,614,000 (SC only)