

**Science
Funding by Congressional Control**

(dollars in thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request	FY 2024 Request vs FY 2023 Enacted (\$)	FY 2024 Request vs FY 2023 Enacted (%)
Advanced Scientific Computing Research					
ASCR Research	906,000	991,000	1,110,973	+119,973	+12.11%
17-SC-20 SC Exascale Computing Project (ECP)	129,000	77,000	14,000	-63,000	-81.82%
Construction					
24-SC-20 High Performance Data Facility	–	–	1,000	+1,000	–
Total, Construction	–	–	1,000	+1,000	–
Total, Advanced Scientific Computing Research	1,035,000	1,068,000	1,125,973	+57,973	+5.43%
Basic Energy Sciences					
BES Research	2,003,800	2,240,800	2,432,233	+191,433	+8.54%
Construction					
24-SC-10 HFIR Pressure Vessel Replacement (PVR), ORNL	–	–	4,000	+4,000	–
24-SC-12 NSLS-II Experimental Tools - III (NEXT-III), BNL	–	–	2,556	+2,556	–
21-SC-10 Cryomodule Repair & Maintenance Facility (CRMF), SLAC	1,000	10,000	9,000	-1,000	-10.00%
19-SC-14 Second Target Station (STS), ORNL	32,000	32,000	52,000	+20,000	+62.50%
18-SC-10 Advanced Photon Source Upgrade (APS-U), ANL	101,000	9,200	–	-9,200	-100.00%
18-SC-11 Spallation Neutron Source Proton Power Upgrade (PPU), ORNL	17,000	17,000	15,769	-1,231	-7.24%
18-SC-12 Advanced Light Source Upgrade (ALS-U), LBNL	75,100	135,000	57,300	-77,700	-57.56%
18-SC-13 Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC	50,000	90,000	120,000	+30,000	+33.33%
13-SC-10 Linac Coherent Light Source-II (LCLS-II), SLAC	28,100	–	–	–	–
Total, Construction	304,200	293,200	260,625	-32,575	-11.11%
Total, Basic Energy Sciences	2,308,000	2,534,000	2,692,858	+158,858	+6.27%
Biological and Environmental Research					
BER Research	815,000	908,685	921,700	+13,015	+1.43%

(dollars in thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request	FY 2024 Request vs FY 2023 Enacted (\$)	FY 2024 Request vs FY 2023 Enacted (%)
Construction					
24-SC-31 Microbial Molecular Phenotyping Capability (M2PC), PNNL	–	–	10,000	+10,000	–
Total, Construction	–	–	10,000	+10,000	–
Total, Biological and Environmental Research	815,000	908,685	931,700	+23,015	+2.53%
Fusion Energy Sciences					
FES Research	460,000	510,222	760,496	+250,274	+49.05%
Construction					
20-SC-61 Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC	11,000	11,000	10,000	-1,000	-9.09%
14-SC-60 U.S. Contributions to ITER	242,000	242,000	240,000	-2,000	-0.83%
Total, Construction	253,000	253,000	250,000	-3,000	-1.19%
Total, Fusion Energy Sciences	713,000	763,222	1,010,496	+247,274	+32.40%
High Energy Physics					
HEP Research	810,000	868,000	850,334	-17,666	-2.04%
Construction					
18-SC-42 Proton Improvement Plan II (PIP-II), FNAL	90,000	120,000	125,000	+5,000	+4.17%
11-SC-40 Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment	176,000	176,000	251,000	+75,000	+42.61%
11-SC-41 Muon to Electron Conversion Experiment, FNAL	2,000	2,000	–	-2,000	-100.00%
Total, Construction	268,000	298,000	376,000	+78,000	+26.17%
Total, High Energy Physics	1,078,000	1,166,000	1,226,334	+60,334	+5.17%
Nuclear Physics					
NP Operation and Maintenance	708,000	755,196	716,418	-38,778	-5.13%
Construction					
20-SC-52 Electron Ion Collider (EIC), BNL	20,000	50,000	95,000	+45,000	+90.00%
Total, Construction	20,000	50,000	95,000	+45,000	+90.00%
Total, Nuclear Physics	728,000	805,196	811,418	+6,222	+0.77%

Science

FY 2024 Congressional Budget Justification

(dollars in thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request	FY 2024 Request vs FY 2023 Enacted (\$)	FY 2024 Request vs FY 2023 Enacted (%)
Isotope R&D and Production					
IRP Research	70,000	85,451	142,651	+57,200	+66.94%
Construction					
20-SC-51 U.S. Stable Isotope Production and Research Center (SIPRC), ORNL	12,000	24,000	20,900	-3,100	-12.92%
24-SC-92 Clinical Alpha Radionuclide Producer (CARP), BNL	–	–	1,000	+1,000	–
24-SC-91 Radioisotope Processing Facility, ORNL	–	–	8,500	+8,500	–
Total, Construction	12,000	24,000	30,400	+6,400	+26.67%
Total, Isotope R&D and Production	82,000	109,451	173,051	+63,600	+58.11%
Accelerator R&D and Production					
ARDAP Research	18,000	27,436	34,270	+6,834	+24.91%
Total, Accelerator R&D and Production	18,000	27,436	34,270	+6,834	+24.91%
Workforce Development for Teachers and Scientists					
WDTS	35,000	42,000	46,100	+4,100	+9.76%
Total, Workforce Development for Teachers and Scientists	35,000	42,000	46,100	+4,100	+9.76%
Science Laboratories Infrastructure					
PILT	4,820	4,891	5,004	+113	+2.31%
Oak Ridge Landlord	6,430	6,559	6,910	+351	+5.35%
SLI F&I	14,450	13,900	32,104	+18,204	+130.96%
SLI Laboratory Operations Apprenticeship	–	–	3,000	+3,000	–
OR Nuclear Operations	26,000	26,000	46,000	+20,000	+76.92%
Construction					
22-SC-71 Critical Infrastructure Modernization Project (CIMP) - ORNL	1,000	1,000	–	-1,000	-100.00%
22-SC-72 Thomas Jefferson Infrastructure Improvements (TJII) - TJNAF	1,000	1,000	–	-1,000	-100.00%
21-SC-71 Princeton Plasma Innovation Center (PPIC), PPPL	7,750	10,000	15,000	+5,000	+50.00%
21-SC-72 Critical Infrastructure Recovery & Renewal (CIRR), PPPL	2,000	4,000	10,000	+6,000	+150.00%

Science

FY 2024 Congressional Budget Justification

(dollars in thousands)

	FY 2022 Enacted	FY 2023 Enacted	FY 2024 Request	FY 2024 Request vs FY 2023 Enacted (\$)	FY 2024 Request vs FY 2023 Enacted (%)
21-SC-73 Ames Infrastructure Modernization (AIM)	2,000	2,000	8,000	+6,000	+300.00%
20-SC-71 Critical Utilities Rehabilitation Project (CURP), BNL	26,000	26,000	–	-26,000	-100.00%
20-SC-72 Seismic and Safety Modernization (SSM), LBNL	18,000	27,500	40,000	+12,500	+45.45%
20-SC-73 CEBAF Renovation and Expansion (CEBAF), TJNAF	10,000	15,000	11,000	-4,000	-26.67%
20-SC-75 Large Scale Collaboration Center (LSCC), SLAC	21,000	21,000	–	-21,000	-100.00%
20-SC-76 Tritium System Demolition and Disposal (TSDD), PPPL	6,400	–	–	–	–
20-SC-77 Argonne Utilities Upgrade (AU2), ANL	10,000	8,000	8,007	+7	+0.09%
20-SC-78 Linear Assets Modernization Project (LAMP), LBNL	10,400	23,425	18,900	-4,525	-19.32%
20-SC-79 Critical Utilities Infrastructure Revitalization (CUIR), SLAC	8,500	25,425	35,075	+9,650	+37.95%
20-SC-80 Utilities Infrastructure Project (UIP), FNAL	10,500	20,000	45,000	+25,000	+125.00%
19-SC-71 Science User Support Center (SUSC), BNL	38,000	–	–	–	–
19-SC-73 Translational Research Capability (TRC), ORNL	21,500	–	–	–	–
19-SC-74 - BioEPIC, LBNL	35,000	45,000	38,000	-7,000	-15.56%
17-SC-71 Integrated Engineering Research Center (IERC), FNAL	10,250	–	–	–	–
Total, Construction	239,300	229,350	228,982	-368	-0.16%
Total, Science Laboratories Infrastructure	291,000	280,700	322,000	+41,300	+14.71%
Safeguards and Security					
S&S	170,000	184,099	200,000	+15,901	+8.64%
Total, Safeguards and Security	170,000	184,099	200,000	+15,901	+8.64%
Program Direction					
PD	202,000	211,211	226,200	+14,989	+7.10%
Total, Program Direction	202,000	211,211	226,200	+14,989	+7.10%
Total, Office of Science	7,475,000	8,100,000	8,800,400	+700,400	+8.65%

Note:

- *FY 2023 Funding does not reflect the mandated transfer of \$20 million from the Office of Nuclear Energy to the Office of Science for Nuclear Facilities O&M Oak Ridge National Laboratory ORNL Operations and Maintenance.*

SBIR/STTR funding:

- FY 2022 Enacted: SBIR \$172,355,000 and STTR \$24,258,000 (SC only)
- FY 2023 Enacted: SBIR \$100,850,000 and STTR \$14,182,000 (SC only)
- FY 2024 Request: SBIR \$110,742,000 and STTR \$15,580,000 (SC only)