

**Science**  
(dollars in thousands)

| <b>FY 2024 Enacted</b> | <b>FY 2025 Enacted</b> | <b>FY 2026 Request</b> | <b>FY 2026 Request vs FY 2024 Enacted</b> |
|------------------------|------------------------|------------------------|-------------------------------------------|
| \$8,240,000            | \$8,240,000            | \$7,092,000            | -\$1,148,000                              |

*Note: The FY 2024 Enacted SC total does not include foreign aid supplement funding.*

**Proposed Appropriation Language**

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for science activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, and purchase of not more than [35] 35 passenger motor vehicles [including one ambulance for replacement only], [\$8,240,000,000] \$7,092,000,000, to remain available until expended: *Provided*, That of such amount, [\$226,831,000] \$226,831,000 shall be available until September 30, [2026] 2027, for program direction.

**Explanation of Change**

Proposed appropriation language updates reflect the funding and replacement of passenger motor vehicle levels.

**Public Law Authorization**

Science:

- Public Law 87-195, "Foreign Assistance Act of 1961"
- Public Law 95-91, "Department of Energy Organization Act", 1977
- Public Law 102-486, "Energy Policy Act of 1992"
- Public Law 108-153, "21st Century Nanotechnology Research and Development Act 2003"
- Public Law 108-423, "Department of Energy High-End Computing Revitalization Act of 2004"
- Public Law 109-58, "Energy Policy Act of 2005"
- Public Law 110-69, "America COMPETES Act of 2007"
- Public Law 111-358, "America COMPETES Reauthorization Act of 2010"
- Public Law 115-246, "American Super Computing Leadership Act of 2017"
- Public Law 115-246, "Department of Energy Research and Innovation Act", 2018
- Public Law 115-368, "National Quantum Initiative Act", 2018
- Public Law 117-167, "CHIPS and Science Act", 2022
- Public Law 117-169, "Inflation Reduction Act of 2022"

Isotope R&D and Production:

- Public Law 101-101, "1990 Energy and Water Development Appropriations Act", establishing the Isotope Production and Distribution Program Fund
- Public Law 103-316, "1995 Energy and Water Development Appropriations Act", amending the Isotope Production and Distribution Program Fund to provide flexibility in pricing without regard to full-cost recovery

Workforce Development for Teachers and Scientists:

- Public Law 101-510, "DOE Science Education Enhancement Act of 1991"
- Public Law 103-382, "The Albert Einstein Distinguished Educator Fellowship Act of 1994"

## Mission

The Office of Science's (SC) mission is to deliver scientific discoveries and major scientific tools to transform our understanding of nature and advance the energy, economic, and national security of the United States (U.S.).

## Overview

SC is the Nation's largest Federal sponsor of basic research in the physical sciences and the lead Federal agency supporting fundamental scientific research for our Nation's energy future. SC is an established leader of the U.S. scientific discovery and innovation enterprise. Over the decades, SC investments and accomplishments in basic research and enabling research capabilities continue to provide the foundations for new technologies, businesses, and industries, making significant contributions to our nation's economy, national security, and quality of life. Select scientific accomplishments enabled by the SC programs are described in the program budget narratives. Additional descriptions of recent science discoveries can be found at <https://www.energy.gov/science/listings/science-highlights>.

SC accomplishes its mission and advances national goals by supporting:

- *Science for energy, economic, and national security*—building a foundation of scientific and technical knowledge to spur discoveries and innovations for advancing the Department's mission. SC supports a wide range of funding modalities from single principal investigators to large team-based activities to engage in fundamental research on energy resource production, conversion, storage, transmission, and use.
- *The frontiers of science*—exploring nature's mysteries from the study of fundamental subatomic particles, atoms, and molecules that are the building blocks of the materials of our universe and everything in it to the DNA, proteins, and cells that are the building blocks of life. Each of the programs in SC supports research probing the most fundamental disciplinary questions.
- *The 21<sup>st</sup> Century tools of science*—providing the nation's researchers with state-of-the-art national scientific user facilities, the most advanced tools of modern science, propelling the U.S. to the forefront of science, technology development, and deployment through innovation.

The FY 2026 Request for SC is \$7,092.0 million, a decrease of 13.9 percent below the FY 2025 Enacted level, to implement the Administration's objectives to advance bold, transformational leaps in U.S. science and technology (S&T) and ensure America remains the global S&T leader for generations to come. The FY 2026 Request supports a portfolio of basic scientific research probing some of the most fundamental questions in areas such as: fusion energy and plasma physics; nuclear and high energy physics; materials sciences and chemistry; biological systems; applied mathematics; next generation high-performance computing and simulation capabilities; artificial intelligence and machine learning; isotope science and production; quantum information sciences; and basic research to advance new accelerator and energy technologies.

The Request increases investments in Administration priorities including basic research on Artificial Intelligence (AI) and Machine Learning (ML), Quantum information Sciences (QIS), fusion energy sciences, and Critical Minerals and Materials (CMM) research initiatives. The SC Request supports ongoing efforts in fusion development in support of the Long Range Plan (LRP). The Request continues support for the National Quantum Information Science (QIS) Research Centers for basic research and early-stage development to accelerate the advancement of QIS through vertical integration between systems, theory, hardware, and software. The Request continues funding for microelectronics, critical minerals and materials, and isotope production and research. These initiatives position SC to advance and address new research opportunities through collaborative, cross-program efforts. SC administers and/or bestows several awards to recognize talented scientists and engineers that advance DOE's missions, including the Presidential Early Career Award for Scientists and Engineers (PECASE), Ernest Orlando Lawrence Award, Enrico Fermi Award, and Distinguished Scientist Fellow opportunity. The Request continues support for these honorary awards.

**Science**  
**Funding by Congressional Control**

(dollars in thousands)

|                                                                               | FY 2024<br>Enacted | FY 2025<br>Enacted | FY 2026<br>Request | FY 2026 Request<br>vs FY 2025<br>Enacted (\$) | FY 2026 Request<br>vs FY 2025<br>Enacted (%) |
|-------------------------------------------------------------------------------|--------------------|--------------------|--------------------|-----------------------------------------------|----------------------------------------------|
| <b>Advanced Scientific Computing<br/>Research</b>                             |                    |                    |                    |                                               |                                              |
| ASCR Research                                                                 | 1,015,000          | 1,036,235          | 1,016,000          | -20,235                                       | -1.95%                                       |
| <b>Construction</b>                                                           |                    |                    |                    |                                               |                                              |
| 24-SC-20 - High Performance<br>Data Facility                                  | 1,000              | —                  | —                  | —                                             | —                                            |
| <b>Total, Construction</b>                                                    | <b>1,000</b>       | <b>—</b>           | <b>—</b>           | <b>—</b>                                      | <b>—</b>                                     |
| <b>Total, Advanced Scientific<br/>Computing Research</b>                      | <b>1,016,000</b>   | <b>1,036,235</b>   | <b>1,016,000</b>   | <b>-20,235</b>                                | <b>-1.95%</b>                                |
| <b>Basic Energy Sciences</b>                                                  |                    |                    |                    |                                               |                                              |
| BES Research                                                                  | 2,365,000          | 2,354,785          | 2,019,657          | -335,128                                      | -14.23%                                      |
| <b>Construction</b>                                                           |                    |                    |                    |                                               |                                              |
| 24-SC-10 HFIR Pressure Vessel<br>Replacement (PVR), ORNL                      | 4,000              | 6,000              | —                  | -6,000                                        | -100.00%                                     |
| 24-SC-12 NSLS-II Experimental<br>Tools - III (NEXT-III), BNL                  | 2,556              | 5,500              | —                  | -5,500                                        | -100.00%                                     |
| 21-SC-10 Cryomodule Repair &<br>Maintenance Facility (CRMF),<br>SLAC          | 9,000              | 20,000             | 20,000             | —                                             | —                                            |
| 19-SC-14 Second Target Station<br>(STS), ORNL                                 | 52,000             | 52,000             | 52,000             | —                                             | —                                            |
| 18-SC-11 Spallation Neutron<br>Source Proton Power Upgrade<br>(PPU), ORNL     | 15,769             | —                  | —                  | —                                             | —                                            |
| 18-SC-12 Advanced Light Source<br>Upgrade (ALS-U), LBNL                       | 57,300             | 50,000             | 50,000             | —                                             | —                                            |
| 18-SC-13 Linac Coherent Light<br>Source-II-High Energy (LCLS-II-<br>HE), SLAC | 120,000            | 100,000            | 99,343             | -657                                          | -0.66%                                       |
| <b>Total, Construction</b>                                                    | <b>260,625</b>     | <b>233,500</b>     | <b>221,343</b>     | <b>-12,157</b>                                | <b>-5.21%</b>                                |
| <b>Total, Basic Energy Sciences</b>                                           | <b>2,625,625</b>   | <b>2,588,285</b>   | <b>2,241,000</b>   | <b>-347,285</b>                               | <b>-13.42%</b>                               |
| <b>Biological and Environmental<br/>Research</b>                              |                    |                    |                    |                                               |                                              |
| BER Research                                                                  | 890,000            | 851,000            | 384,920            | -466,080                                      | -54.77%                                      |
| <b>Construction</b>                                                           |                    |                    |                    |                                               |                                              |
| 24-SC-31 Microbial Molecular<br>Phenotyping Capability (M2PC),<br>PNNL        | 10,000             | 19,000             | 10,000             | -9,000                                        | -47.37%                                      |

(dollars in thousands)

|                                                                                     | FY 2024<br>Enacted | FY 2025<br>Enacted | FY 2026<br>Request | FY 2026 Request<br>vs FY 2025<br>Enacted (\$) | FY 2026 Request<br>vs FY 2025<br>Enacted (%) |
|-------------------------------------------------------------------------------------|--------------------|--------------------|--------------------|-----------------------------------------------|----------------------------------------------|
| <b>Total, Construction</b>                                                          | <b>10,000</b>      | <b>19,000</b>      | <b>10,000</b>      | <b>-9,000</b>                                 | <b>-47.37%</b>                               |
| <b>Total, Biological and Environmental<br/>Research</b>                             | <b>900,000</b>     | <b>870,000</b>     | <b>394,920</b>     | <b>-475,080</b>                               | <b>-54.61%</b>                               |
| <b>Fusion Energy Sciences</b>                                                       |                    |                    |                    |                                               |                                              |
| FES Research                                                                        | 540,000            | 590,000            | 667,280            | +77,280                                       | +13.10%                                      |
| <b>Construction</b>                                                                 |                    |                    |                    |                                               |                                              |
| 20-SC-61 Matter in Extreme<br>Conditions (MEC) Petawatt<br>Upgrade, SLAC            | 10,000             | —                  | —                  | —                                             | —                                            |
| 14-SC-60 U.S. Contributions to<br>ITER                                              | 240,000            | 200,000            | 77,500             | -122,500                                      | -61.25%                                      |
| <b>Total, Construction</b>                                                          | <b>250,000</b>     | <b>200,000</b>     | <b>77,500</b>      | <b>-122,500</b>                               | <b>-61.25%</b>                               |
| <b>Total, Fusion Energy Sciences</b>                                                | <b>790,000</b>     | <b>790,000</b>     | <b>744,780</b>     | <b>-45,220</b>                                | <b>-5.72%</b>                                |
| <b>High Energy Physics</b>                                                          |                    |                    |                    |                                               |                                              |
| HEP Research                                                                        | 824,000            | 848,570            | 747,836            | -100,734                                      | -11.87%                                      |
| <b>Construction</b>                                                                 |                    |                    |                    |                                               |                                              |
| 18-SC-42 Proton Improvement<br>Plan II (PIP-II), FNAL                               | 125,000            | 125,000            | 114,000            | -11,000                                       | -8.80%                                       |
| 11-SC-40 Long Baseline Neutrino<br>Facility/Deep Underground<br>Neutrino Experiment | 251,000            | 251,000            | 251,000            | —                                             | —                                            |
| <b>Total, Construction</b>                                                          | <b>376,000</b>     | <b>376,000</b>     | <b>365,000</b>     | <b>-11,000</b>                                | <b>-2.93%</b>                                |
| <b>Total, High Energy Physics</b>                                                   | <b>1,200,000</b>   | <b>1,224,570</b>   | <b>1,112,836</b>   | <b>-111,734</b>                               | <b>-9.12%</b>                                |
| <b>Nuclear Physics</b>                                                              |                    |                    |                    |                                               |                                              |
| NP Operation and Maintenance                                                        | 709,000            | 715,600            | 657,860            | -57,740                                       | -8.07%                                       |
| <b>Construction</b>                                                                 |                    |                    |                    |                                               |                                              |
| 20-SC-52 Electron Ion Collider<br>(EIC), BNL                                        | 95,000             | 110,000            | 110,000            | —                                             | —                                            |
| <b>Total, Construction</b>                                                          | <b>95,000</b>      | <b>110,000</b>     | <b>110,000</b>     | <b>—</b>                                      | <b>—</b>                                     |
| <b>Total, Nuclear Physics</b>                                                       | <b>804,000</b>     | <b>825,600</b>     | <b>767,860</b>     | <b>-57,740</b>                                | <b>-6.99%</b>                                |
| <b>Isotope R&amp;D and Production</b>                                               |                    |                    |                    |                                               |                                              |
| IRP Research                                                                        | 99,793             | 116,736            | 109,430            | -7,306                                        | -6.26%                                       |
| <b>Construction</b>                                                                 |                    |                    |                    |                                               |                                              |
| 20-SC-51 U.S. Stable Isotope<br>Production and Research Center<br>(SIPRC), ORNL     | 20,900             | 45,900             | 45,900             | —                                             | —                                            |
| 24-SC-92 Clinical Alpha<br>Radionuclide Producer (CARP),<br>BNL                     | 1,000              | —                  | —                  | —                                             | —                                            |

(dollars in thousands)

|                                                                        | FY 2024<br>Enacted | FY 2025<br>Enacted | FY 2026<br>Request | FY 2026 Request<br>vs FY 2025<br>Enacted (\$) | FY 2026 Request<br>vs FY 2025<br>Enacted (%) |
|------------------------------------------------------------------------|--------------------|--------------------|--------------------|-----------------------------------------------|----------------------------------------------|
| 24-SC-91 Radioisotope<br>Processing Facility, ORNL                     | 8,500              | 7,000              | 7,000              | –                                             | –                                            |
| <b>Total, Construction</b>                                             | <b>30,400</b>      | <b>52,900</b>      | <b>52,900</b>      | <b>–</b>                                      | <b>–</b>                                     |
| <b>Total, Isotope R&amp;D and Production</b>                           | <b>130,193</b>     | <b>169,636</b>     | <b>162,330</b>     | <b>-7,306</b>                                 | <b>-4.31%</b>                                |
| <b>Accelerator R&amp;D and Production</b>                              |                    |                    |                    |                                               |                                              |
| ARDAP Research                                                         | 29,000             | 27,000             | –                  | -27,000                                       | -100.00%                                     |
| <b>Total, Accelerator R&amp;D and<br/>Production</b>                   | <b>29,000</b>      | <b>27,000</b>      | <b>–</b>           | <b>-27,000</b>                                | <b>-100.00%</b>                              |
| <b>Workforce Development for Teachers<br/>and Scientists</b>           |                    |                    |                    |                                               |                                              |
| WDTs                                                                   | 40,000             | 31,000             | 25,000             | -6,000                                        | -19.35%                                      |
| <b>Total, Workforce Development for<br/>Teachers and Scientists</b>    | <b>40,000</b>      | <b>31,000</b>      | <b>25,000</b>      | <b>-6,000</b>                                 | <b>-19.35%</b>                               |
| <b>Science Laboratories Infrastructure</b>                             |                    |                    |                    |                                               |                                              |
| PILT                                                                   | 5,004              | 5,119              | 5,119              | –                                             | –                                            |
| Oak Ridge Landlord                                                     | 6,910              | 7,032              | 7,032              | –                                             | –                                            |
| SLI F&I                                                                | 18,530             | 42,692             | 42,692             | –                                             | –                                            |
| SLI Laboratory Operations                                              | 3,000              | 3,000              | 3,000              | –                                             | –                                            |
| Apprenticeship                                                         |                    |                    |                    |                                               |                                              |
| OR Nuclear Operations                                                  | 46,000             | 46,000             | 46,000             | –                                             | –                                            |
| <b>Construction</b>                                                    |                    |                    |                    |                                               |                                              |
| 21-SC-71 Princeton Plasma<br>Innovation Center (PPIC), PPPL            | 15,000             | 30,000             | 34,600             | +4,600                                        | +15.33%                                      |
| 21-SC-72 Critical Infrastructure<br>Recovery & Renewal (CIRR),<br>PPPL | 10,000             | 10,000             | 9,400              | -600                                          | -6.00%                                       |
| 21-SC-73 Ames Infrastructure<br>Modernization (AIM)                    | 8,000              | –                  | –                  | –                                             | –                                            |
| 20-SC-72 Seismic and Safety<br>Modernization (SSM), LBNL               | 35,000             | 23,000             | –                  | -23,000                                       | -100.00%                                     |
| 20-SC-73 CEBAF Renovation and<br>Expansion (CEBAF), TJNAF              | 11,000             | 11,000             | 26,000             | +15,000                                       | +136.36%                                     |
| 20-SC-77 Argonne Utilities<br>Upgrade (AU2), ANL                       | 8,007              | 3,000              | 1,500              | -1,500                                        | -50.00%                                      |
| 20-SC-78 Linear Assets<br>Modernization Project (LAMP),<br>LBNL        | 18,900             | 25,000             | 13,100             | -11,900                                       | -47.60%                                      |

(dollars in thousands)

|                                                                              | FY 2024<br>Enacted | FY 2025<br>Enacted | FY 2026<br>Request | FY 2026 Request<br>vs FY 2025<br>Enacted (\$) | FY 2026 Request<br>vs FY 2025<br>Enacted (%) |
|------------------------------------------------------------------------------|--------------------|--------------------|--------------------|-----------------------------------------------|----------------------------------------------|
| 20-SC-79 Critical Utilities<br>Infrastructure Revitalization<br>(CUIR), SLAC | 30,000             | 20,000             | 10,000             | -10,000                                       | -50.00%                                      |
| 20-SC-80 Utilities Infrastructure<br>Project (UIP), FNAL                     | 35,000             | 35,000             | 12,000             | -23,000                                       | -65.71%                                      |
| 19-SC-74 - BioEPIC, LBNL                                                     | 38,000             | —                  | —                  | —                                             | —                                            |
| <b>Total, Construction</b>                                                   | <b>208,907</b>     | <b>157,000</b>     | <b>106,600</b>     | <b>-50,400</b>                                | <b>-32.10%</b>                               |
| <b>Total, Science Laboratories<br/>Infrastructure</b>                        | <b>288,351</b>     | <b>260,843</b>     | <b>210,443</b>     | <b>-50,400</b>                                | <b>-19.32%</b>                               |
| <b>Safeguards and Security</b>                                               |                    |                    |                    |                                               |                                              |
| S&S                                                                          | 190,000            | 190,000            | 190,000            | —                                             | —                                            |
| <b>Total, Safeguards and Security</b>                                        | <b>190,000</b>     | <b>190,000</b>     | <b>190,000</b>     | <b>—</b>                                      | <b>—</b>                                     |
| <b>Program Direction</b>                                                     |                    |                    |                    |                                               |                                              |
| PD                                                                           | 226,831            | 226,831            | 226,831            | —                                             | —                                            |
| <b>Total, Program Direction</b>                                              | <b>226,831</b>     | <b>226,831</b>     | <b>226,831</b>     | <b>—</b>                                      | <b>—</b>                                     |
| <b>Total, Office of Science</b>                                              | <b>8,240,000</b>   | <b>8,240,000</b>   | <b>7,092,000</b>   | <b>-1,148,000</b>                             | <b>-13.93%</b>                               |

SBIR/STTR funding:

- FY 2024 Enacted: SBIR \$100,156,000 and STTR \$14,076,000 (SC only)
- FY 2025 Enacted: SBIR \$100,037,000 and STTR \$13,938,000 (SC only)
- FY 2026 Request: SBIR \$69,326,000 and STTR \$9,748,000 (SC only)