

- (C) \$219,000,000 for fiscal year 2025;
- (D) \$297,000,000 for fiscal year 2026; and
- (E) \$301,000,000 for fiscal year 2027.

**(c) Authorization of appropriations**

Out of funds authorized to be appropriated for the Office of Science in a fiscal year, there are authorized to be appropriated to the Secretary to carry out the activities described in this section—

- (1) \$840,480,000 for fiscal year 2023;
- (2) \$976,508,800 for fiscal year 2024;
- (3) \$1,062,239,328 for fiscal year 2025;
- (4) \$1,190,833,688 for fiscal year 2026; and
- (5) \$1,248,463,709 for fiscal year 2027.

(Pub. L. 115–246, title III, § 308, Sept. 28, 2018, 132 Stat. 3150; Pub. L. 117–167, div. B, title I, § 10107, Aug. 9, 2022, 136 Stat. 1449.)

**Editorial Notes**

AMENDMENTS

2022—Pub. L. 117–167 amended section generally. Prior to amendment, text was comprised of subsec. (a) of section 308 of Pub. L. 115–246 which read as follows: “The Director—

“(1) may carry out a program for the production of isotopes, including the development of techniques to produce isotopes, that the Secretary determines are needed for research, medical, industrial, or related purposes; and

“(2) shall ensure that isotope production activities carried out under the program under this paragraph do not compete with private industry unless the Director determines that critical national interests require the involvement of the Federal Government.”

Prior to amendment, section 308 of Pub. L. 115–246 also contained subsec. (b) which amended section 16321 of this title.

**§ 18647. Science laboratories infrastructure program**

**(a) In general**

The Director shall carry out a program to improve the safety, efficiency, and mission readiness of infrastructure at laboratories of the Office of Science.

**(b) Inclusions**

The program under subsection (a) shall include projects—

- (1) to renovate or replace space that does not meet research needs;
- (2) to replace facilities that are no longer cost effective to renovate or operate;
- (3) to modernize utility systems to prevent failures and ensure efficiency;
- (4) to remove excess facilities to allow safe and efficient operations; and
- (5) to construct modern facilities to conduct advanced research in controlled environmental conditions.

**(c) Approach**

In carrying out the program under subsection (a), the Director shall use all available approaches and mechanisms, as the Secretary determines to be appropriate, including—

- (1) capital line items;
- (2) minor construction projects;
- (3) energy savings performance contracts;
- (4) utility energy service contracts;
- (5) alternative financing; and

(6) expense funding.

**(d) Submission to Congress**

For each fiscal year through fiscal year 2027, at the same time as the annual budget submission of the President, the Secretary shall submit to the Committee on Appropriations and the Committee on Energy and Natural Resources of the Senate and the Committee on Appropriations and the Committee on Science, Space, and Technology of the House of Representatives a list of projects for which the Secretary will provide funding under this section, including a description of each project and the funding profile for the project.

**(e) Authorization of appropriations**

Out of funds authorized to be appropriated for the Office of Science in a fiscal year, there is authorized to be appropriated to the Secretary to carry out the activities described in this section \$550,000,000 for each of fiscal years 2023 through 2027.

(Pub. L. 115–246, title III, § 309, Sept. 28, 2018, 132 Stat. 3150; Pub. L. 117–167, div. B, title I, § 10108, Aug. 9, 2022, 136 Stat. 1450.)

**Editorial Notes**

AMENDMENTS

2022—Subsecs. (c) to (e). Pub. L. 117–167 added subsecs. (c) to (e).

**§ 18648. Accelerator research and development**

**(a) Program**

As part of the activities authorized under section 7139 of this title, the Director shall carry out a research program—

- (1) to advance accelerator science and technology relevant to the Department, other Federal agencies, and United States industry;
- (2) to foster partnerships to develop, demonstrate, and enable the commercial application of accelerator technologies;
- (3) to support the development of a skilled, diverse, and inclusive accelerator workforce; and
- (4) to provide access to accelerator design and engineering resources.

**(b) Accelerator research**

In carrying out the program authorized under subsection (a), the Director shall support—

- (1) research activities in cross-cutting accelerator technologies including superconducting magnets and accelerators, beam physics, data analytics-based accelerator controls, simulation software, new particle sources, advanced laser technology, and transformative research; and
- (2) optimal operation of the Accelerator Test Facility.

**(c) Accelerator development**

In carrying out the program authorized under subsection (a), the Director shall support partnerships to foster the development, demonstration, and commercial application of accelerator technologies, including advanced superconducting wire and cable, superconducting RF cavities, and high efficiency radiofrequency power sources for accelerators.