

(1) a plan for supporting relevant Federal research award grantees and leveraging the National Science Foundation INCLUDES National Network and relevant partnerships, including partnerships maintained by other Federal research agencies;

(2) metrics for assessing the participation of underrepresented groups in programs supported by the Department;

(3) experienced and potential barriers to broadening participation of underrepresented groups in programs supported by the Department, including recommended solutions; and

(4) any other activities the Secretary determines appropriate.

(c) Authorization of appropriations

Of the amounts authorized to be appropriated under section 7381e of this title, not less than \$2,000,000 is authorized to be appropriated each fiscal year for the activities described in this section.

(Pub. L. 101–510, div. C, title XXXI, §3167A, as added Pub. L. 117–167, div. B, title I, §10111(c)(1), Aug. 9, 2022, 136 Stat. 1456.)

§ 7381c–3. Expanding opportunities for highly skilled science, technology, engineering, and mathematics (STEM) professionals

(a) In general

The Secretary shall—

(1) expand opportunities and increase the number of highly skilled science, technology, engineering, and mathematics (STEM) professionals working in disciplines relevant to the mission of the Department; and

(2) broaden the recruitment pool to increase participation from and expand partnerships with Historically Black Colleges or Universities, Hispanic serving institutions, Tribal Colleges or Universities, minority-serving institutions, institutions in eligible jurisdictions, emerging research institutions, community colleges, and scientific societies in those disciplines.

(b) Plan and outreach strategy

(1) Plan

(A) In general

Not later than 180 days after August 9, 2022, the Secretary shall submit to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate a 10-year educational plan to fund and expand new or existing programs administered by the Office of Science and sited at the National Laboratories and Department user facilities to expand educational and workforce development opportunities for underrepresented individuals, including—

(i) high school, undergraduate, and graduate students; and

(ii) recent graduates, teachers, and faculty in STEM fields.

(B) Contents

The plan under subparagraph (A) may include paid internships, fellowships, tem-

porary employment, training programs, visiting student and faculty programs, sabbaticals, and research support.

(2) Outreach capacity

The Secretary shall include in the plan under paragraph (1) an outreach strategy to improve the advertising, recruitment, and promotion of educational and workforce development programs to community colleges, Historically Black Colleges or Universities, Hispanic-serving institutions, Tribal Colleges or Universities, minority-serving institutions, institutions in eligible jurisdictions, and emerging research institutions.

(c) Building research capacity

(1) In general

The Secretary shall develop programs that strengthen the research capacity relevant to Office of Science disciplines at emerging research institutions, including minority-serving institutions, Tribal Colleges or Universities, Historically Black Colleges or Universities, institutions in eligible jurisdictions (as defined in section 13503(b)(3)(A) of this title), institutions in communities with dislocated workers who were previously employed in manufacturing, energy production, including coal power plants, and mineral and material mining, and other institutions of higher education.

(2) Inclusions

The programs developed under paragraph (1) may include—

(A) enabling mutually beneficial and jointly managed partnerships between research-intensive institutions and emerging research institutions; and

(B) soliciting research proposals, fellowships, training programs, and research support directly from emerging research institutions.

(d) Traineeships

(1) In general

The Secretary shall establish a university-led Traineeship Program to address workforce development needs in STEM fields relevant to the Department.

(2) Focus

The focus of the Traineeship Program established under paragraph (1) shall be on—

(A) supporting workforce development and research experiences for underrepresented undergraduate and graduate students; and

(B) increasing participation from underrepresented populations.

(3) Inclusion

The traineeships under the Traineeship Program established under paragraph (1) shall include opportunities to build the next-generation workforce in research areas critical to maintaining core competencies across the programs of the Office of Science.

(e) Evaluation

(1) In general

The Secretary shall establish key performance indicators to measure and monitor

progress of education and workforce programs and expand Departmental activities for data collection and analysis.

(2) Report

Not later than 2 years after August 9, 2022, and every 2 years thereafter, the Secretary shall submit to the Committee on Science, Space, and Technology and the Committee on Education and Labor of the House of Representatives and the Committee on Energy and Natural Resources and the Committee on Health, Education, Labor, and Pensions of the Senate a report summarizing progress toward meeting the key performance indicators established under paragraph (1).

(f) Definitions

In this section:

(1) Community college

The term “community college” means—

(A) a public institution of higher education, including additional locations, at which the highest awarded degree, or the predominantly awarded degree, is an associate degree; or

(B) any Tribal college or university.

(2) Dislocated worker

The term “dislocated worker” has the meaning given the term in section 3102 of title 29.

(3) Hispanic-serving institution

The term “Hispanic-serving institution” has the meaning given the term in section 1101a(a) of title 20.

(4) Historically Black College or University

The term “Historically Black College or University” has the meaning given the term “part B institution” in section 1061 of title 20.

(5) Institution in an eligible jurisdiction

The term “institution in an eligible jurisdiction” means an institution of higher education (as defined in section 1001 of title 20) that is located in an eligible jurisdiction (as defined in section 13503(b)(3)(A) of this title).

(6) Minority-serving institution

The term “minority-serving institution” includes the entities described in any of paragraphs (1) through (7) of section 1067q(a) of title 20.

(7) STEM

The term “STEM” means the subjects listed in section 2 of the STEM Education Act of 2015 (42 U.S.C. 6621 note; Public Law 114-59).

(8) Tribal College or University

The term “Tribal College or University” has the meaning given the term in section 1059c(b) of title 20.

(Pub. L. 101-510, div. C, title XXXI, §3167B, as added Pub. L. 117-167, div. B, title I, §10111(c)(1), Aug. 9, 2022, 136 Stat. 1457.)

Statutory Notes and Related Subsidiaries

CHANGE OF NAME

Committee on Education and Labor of House of Representatives changed to Committee on Education and

the Workforce of House of Representatives by House Resolution No. 5, One Hundred Eighteenth Congress, Jan. 9, 2023.

§ 7381d. Definitions

In this subchapter:

(1) The term “Secretary” means the Secretary of Energy.

(2) The term “Department” means the Department of Energy.

(3) The term “Department research and development facilities” means all Department of Energy single-purpose and multipurpose National Laboratories and research and development facilities and programs, and any other facility or program operated by a contractor funded by the Department of Energy.

(4) The term “local educational agency” has the meaning given that term by section 2891(12)¹ of title 20.

(5) NATIONAL LABORATORY.—The term “National Laboratory” has the meaning given the term in section 15801 of this title.

(Pub. L. 101-510, div. C, title XXXI, §3168, formerly §3167, Nov. 5, 1990, 104 Stat. 1843; Pub. L. 105-245, title III, §309(b)(2)(D), Oct. 7, 1998, 112 Stat. 1853; renumbered §3168 and amended Pub. L. 109-58, title XI, §§1102(d), 1105(b)(1), Aug. 8, 2005, 119 Stat. 938, 939; Pub. L. 110-69, title V, §5003(c), Aug. 9, 2007, 121 Stat. 602.)

Editorial Notes

REFERENCES IN TEXT

Section 2891(12) of title 20, referred to in par. (4), was in the original “section 1471(12) of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 2891(12))”, Pub. L. 89-10, and was omitted in the general amendment of that Act by Pub. L. 103-382, title I, §101, Oct. 20, 1994, 108 Stat. 3519. See section 7801 of Title 20, Education.

PRIOR PROVISIONS

A prior section 3168 of Pub. L. 101-510 was renumbered section 3169 and is classified to section 7381e of this title.

AMENDMENTS

2007—Par. (5). Pub. L. 110-69 added par. (5).

2005—Par. (3). Pub. L. 109-58, §1102(d), substituted “by the Department of Energy” for “from the Office of Science of the Department of Energy”.

1998—Par. (3). Pub. L. 105-245 substituted “Office of Science” for “Office of Energy Research”.

§ 7381e. Authorization of appropriations

Out of funds authorized to be appropriated for the Office of Science of the Department of Energy in a fiscal year, there are authorized to be appropriated to the Secretary for carrying out university research support and other science, mathematics, and engineering education programs authorized by this part and administered by the Office of Science of the Department of Energy, \$40,000,000 for each of fiscal years 2023 through 2027.

(Pub. L. 101-510, div. C, title XXXI, §3169, formerly §3168, Nov. 5, 1990, 104 Stat. 1843; Pub. L. 105-245, title III, §309(b)(2)(D), Oct. 7, 1998, 112

¹ See References in Text note below.