

(2) transferring to the institution equipment determined by the director of the Department research and development facility to be surplus;

(3) making personnel of Department research and development facilities available to teach science courses or to assist in the development of science courses and materials for the institution;

(4) involving faculty and students of the institution in research programs of Department research and development facilities;

(5) cooperating with the institution in developing a program under which students may be given academic credit for work on research projects of Department research and development facilities;

(6) providing academic and career advice and assistance to students of the institution; and

(7) providing funds to educational institutions to hire personnel to facilitate interactions between local school systems, Department research and development facilities, and corporate and governmental entities.

(Pub. L. 101-510, div. C, title XXXI, §3166, Nov. 5, 1990, 104 Stat. 1843; Pub. L. 109-58, title XI, §1102(c), Aug. 8, 2005, 119 Stat. 938.)

Editorial Notes

AMENDMENTS

2005—Subsec. (b)(1). Pub. L. 109-58, §1102(c)(1), added par. (1) and struck out former par. (1) which read as follows: “loaning equipment to the institution;”.

Subsec. (b)(7). Pub. L. 109-58, §1102(c)(2)–(4), added par. (7).

§ 7381c-1. Partnerships with historically Black colleges and universities, Hispanic-serving institutions, and tribal colleges

(a) Definitions

In this section:

(1) Hispanic-serving institution

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

(2) 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.

(3) National Laboratory

The term “National Laboratory” has the meaning given the term in section 15801 of this title.

(4) Science facility

The term “science facility” has the meaning given the term “single-purpose research facility” in section 16182 of this title.

(5) Tribal college

The term “tribal college” has the meaning given the term “tribally controlled college or university” in section 1801(a) of title 25.

(b) Education partnership

The Secretary shall require the director of each National Laboratory, and may require the head of any science facility, to increase the par-

ticipation of historically Black colleges or universities, Hispanic-serving institutions, or tribal colleges in any activity that increases the capacity of the historically Black colleges or universities, Hispanic-serving institutions, or tribal colleges to train personnel in science or engineering.

(c) Activities

An activity described in subsection (b) includes—

(1) collaborative research;

(2) equipment transfer;

(3) training activities carried out at a National Laboratory or science facility; and

(4) mentoring activities carried out at a National Laboratory or science facility.

(d) Report

Not later than 2 years after August 8, 2005, the Secretary shall submit to Congress a report describing the activities carried out under this section.

(Pub. L. 101-510, div. C, title XXXI, §3167, as added Pub. L. 109-58, title XI, §1105(b)(2), Aug. 8, 2005, 119 Stat. 940; amended Pub. L. 110-315, title IX, §941(k)(2)(M), Aug. 14, 2008, 122 Stat. 3467.)

Editorial Notes

PRIOR PROVISIONS

A prior section 3167 of Pub. L. 101-510 was renumbered section 3168 and is classified to section 7381d of this title.

AMENDMENTS

2008—Subsec. (a)(5). Pub. L. 110-315 made technical amendment to reference in original act which appears in text as reference to section 1801(a) of title 25.

§ 7381c-2. Broadening participation for teachers and scientists

(a) In general

The Secretary shall—

(1) expand opportunities to 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 Historically Black Colleges or Universities (as defined in section 7381c-3(f) of this title), Hispanic-serving institutions (as defined in that section), Tribal Colleges or Universities (as defined in that section), minority-serving institutions (as defined in that section), institutions in eligible jurisdictions (as defined in that section), emerging research institutions, community colleges, and scientific societies in those disciplines.

(b) Plan

Not later than 1 year after August 9, 2022, the Secretary shall submit to the Committee on Science, Space, and Technology of the House of Representatives and the Committees on Energy and Natural Resources and Commerce, Science, and Transportation of the Senate and make available to the public a plan for broadening participation of underrepresented groups in science, technology, engineering, and mathematics in programs supported by the Department, including—

(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