

(e) Omitted**(f) Quantum Education Pilot Program****(1) In general**

Not later than one year after August 9, 2022, the Director, building on the National Science Foundation's role in the National Q-12 Education Partnership and programs such as Q2Work Program, shall make awards to institutions of higher education, non-profit organizations, or consortia thereof to carry out a pilot program, to be known as the "Next Generation Quantum Leaders Pilot Program" (in this subsection referred to as the "Program"), for the education and training of the next generation of students and teachers in the fundamental principles of quantum mechanics.

(2) Requirements**(A) In general**

In carrying out the Program, the Director shall—

(i) encourage awardees to coordinate with educational service agencies (as such term "educational service agency" is defined in section 1401(5) of title 20), associations that support STEM educators or local educational agencies, and partnerships through the Q-12 Education Partnership, to encourage elementary schools, middle schools, and secondary schools, and State educational agencies to participate in the Program;¹

(ii) require that awardees partner with elementary schools, middle schools, or secondary schools, or consortia thereof, and State educational agencies, to carry out activities under the Program;²

(B) Use of funds

In carrying out the Program, the Director shall make competitive, merit-reviewed awards to—

(i) support testing, evaluation, dissemination, and implementation of age-appropriate quantum information sciences curricula and resources, including the integration of quantum information science and engineering into the STEM curriculum pursuant to subsection (d) of section 8841 of title 15, as added by subsection (e);

(ii) support opportunities for informal education on quantum concepts, including informal hands-on learning opportunities;

(iii) support opportunities for students to further explore quantum information science education and related careers;

(iv) develop and implement training, research, and professional development programs for teachers, including innovative pre-service and in-service programs, in quantum information science and related fields; and

(v) carry out such other activities as the Director determines appropriate.

(C) Distribution

In carrying out the Program and to the extent practicable, the Director shall ensure

there is a wide, equitable distribution of Program participants across diverse geographic areas and that the Program includes a diverse representation of students, including students from groups historically under-represented in STEM.

(3) Consultation

The Director shall carry out the Program in consultation with the QIS Workforce Working Group of the Subcommittee on Quantum Information Science of the National Science and Technology Council and the Advancing Informal STEM Learning Program.

(4) Reporting

Not later than four years after August 9, 2022, the Director shall submit to Congress a report that includes the following:

(A) An assessment, that includes feedback from a wide range of stakeholders in academia, K-12 education, and the private sector, of the effectiveness of the Program in scaling up implementation of effective quantum education and training innovations.

(B) If determined to be effective, a plan for integrating the Program into existing programs, including the feasibility and advisability of expanding the scope of the Program to include additional technology areas, grade levels, and educational institutions beyond those originally selected to participate in the Program.

(5) Authorization of appropriations

There are authorized to be appropriated to the Director \$8,000,000 for each of fiscal years 2023 through 2026 to carry out this section.

(6) Termination

This subsection shall terminate on the date that is four years after August 9, 2022.

(Pub. L. 117-167, div. B, title VI, §10661, Aug. 9, 2022, 136 Stat. 1683.)

Editorial Notes**CODIFICATION**

Section is comprised of section 10661 of Pub. L. 117-167. Subsecs. (b), (c), and (e) of section 10661 of Pub. L. 117-167 amended sections 8813, 8831, and 8841, respectively, of Title 15, Commerce and Trade.

PART F—BLOCKCHAIN SPECIALIST**§ 19271. Establishment of blockchain and cryptocurrency specialist position within OSTP**

The Director of the Office of Science and Technology Policy shall establish or designate a blockchain and cryptocurrencies advisory specialist position within the Office to coordinate Federal activities and advise the President on matters of research and development relating to blockchain, cryptocurrencies, and distributed ledger technologies.

(Pub. L. 117-167, div. B, title VI, §10671, Aug. 9, 2022, 136 Stat. 1688.)

¹ So in original. Probably should be followed by "and".

² So in original. The semicolon probably should be a period.

PART G—PARTNERSHIPS FOR ENERGY SECURITY
AND INNOVATION

§ 19281. Foundation for Energy Security and Innovation

(a) Definitions

In this section:

(1) Board

The term “Board” means the Board of Directors described in subsection (b)(2)(A).

(2) Department

The term “Department” means the Department of Energy.

(3) Executive Director

The term “Executive Director” means the Executive Director described in subsection (b)(5)(A).

(4) Foundation

The term “Foundation” means the Foundation for Energy Security and Innovation established under subsection (b)(1).

(5) 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.

(6) Individual Laboratory-Associated Foundation

The term “Individual Laboratory-Associated Foundation” means a Laboratory Foundation established by an operating contractor of a National Laboratory.

(7) Minority-serving institution

The term “minority serving institution” means a Hispanic-serving institution as defined in section 1101a of title 20, an Alaska Native-serving institution and a Native Hawaiian-serving institution as defined in section 1059d of title 20, or a Predominantly Black Institution, Asian American and Native American Pacific Islander-serving institution, or a Native American-serving nontribal institution as defined in section 1067q of title 20.

(8) National Laboratory

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

(9) Secretary

The term “Secretary” means the Secretary of Energy.

(10) Tribal College or University

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

(b) Foundation for Energy Security and Innovation

(1) Establishment

(A) In general

Not later than 180 days after August 9, 2022, the Secretary shall establish a nonprofit corporation to be known as the “Foundation for Energy Security and Innovation”.

(B) Mission

The mission of the Foundation shall be—

(i) to support the mission of the Department; and

(ii) to advance collaboration with energy researchers, institutions of higher education, industry, and nonprofit philanthropic organizations to accelerate the commercialization of energy technologies.

(C) Limitation

The Foundation shall not be an agency or instrumentality of the Federal Government.

(D) Tax-exempt status

The Board shall take all necessary and appropriate steps to ensure that the Foundation is an organization that is described in section 501(c) of title 26 and exempt from taxation under section 501(a) of title 26.

(E) Collaboration with existing organizations

The Secretary may collaborate with 1 or more organizations to establish the Foundation and carry out the activities of the Foundation.

(2) Board of Directors

(A) Establishment

The Foundation shall be governed by a Board of Directors.

(B) Composition

(i) In general

The Board shall be composed of the ex officio nonvoting members described in clause (ii) and the appointed voting members described in clause (iii).

(ii) Ex officio members

The ex officio members of the Board shall be the following individuals or designees of those individuals:

(I) The Secretary.

(II) The Under Secretary for Science.

(III) The Under Secretary for Nuclear Security.

(IV) The Chief Commercialization Officer.

(iii) Appointed members

(I) Initial members

The Secretary and the other ex officio members of the Board shall—

(aa) seek to enter into an agreement with the National Academies of Sciences, Engineering, and Medicine to develop a list of individuals to serve as members of the Board who are well-qualified and will meet the requirements of subclauses (II) and (III); and

(bb) appoint the initial members of the Board from that list, if applicable, in consultation with the National Academies of Sciences, Engineering, and Medicine.

(II) Representation

The appointed members of the Board shall reflect a broad cross-section of stakeholders from academia, National Laboratories, industry, nonprofit organi-

¹ So in original. The word “in” probably should not appear.