

“(b) METRICS.—The Secretary shall support the development of metrics, including conversion metrics, to determine the effectiveness of the pilot program in achieving the purposes in subsection (a) and the number and types of partnerships established between public and private sector entities and the National Laboratories compared to baseline data.

“(c) COORDINATION.—In carrying out the activities authorized in this section, the Secretary shall coordinate with the Directors of (and dedicated technology transfer staff at) the National Laboratories, in particular for matchmaking services for individual projects, which should be led by the National Laboratories.

“(d) FUNDING EMPLOYEE PARTNERING ACTIVITIES.—The Secretary shall delegate to the Directors of each National Laboratory and single-purpose research facility of the Department the authority to compensate National Laboratory employees providing services under this section.

“(e) DURATION.—Subject to the availability of appropriations, the pilot program established in this section shall operate for not less than 3 years and may be built off an existing program.

“(f) EVALUATION.—Not later than 6 months after the completion of this pilot program, the Secretary shall support the evaluation of the success of the pilot program in achieving the purposes in subsection (a) and shall submit the evaluation to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate. The assessment shall include analyses of the performance of the pilot program based on the metrics developed under subsection (b).

“(g) DEFINITION.—In this section, the term ‘National Laboratory’ has the meaning given such term in section 2(3) of the Energy Policy Act of 2005 (42 U.S.C. 15801(3)).”

§ 16391a. Technology transfer reports and evaluation

(a) Annual report

As part of the updated technology transfer execution plan required each year under section 16391(h)(2) of this title, the Secretary of Energy (in this section referred to as 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 report on the progress and implementation of programs established under sections 9001, 9002, 9003, 9004, and 9005 of this Act.

(b) Evaluation

Not later than 3 years after December 27, 2020, and every 3 years thereafter 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 an evaluation on the extent to which programs established under sections 9001, 9002, 9003, 9004, and 9005 of this Act are achieving success based on relevant short-term and long-term metrics.

(c) Report on technology transfer gaps

Not later than 3 years after December 27, 2020, the Secretary shall enter into an agreement with the National Academies of Science, Engineering, and Medicine to 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 report on programmatic gaps that exist to advance the commercial application of tech-

nologies developed at the National Laboratories (as defined in section 15801(3) of this title).

(Pub. L. 116-260, div. Z, title IX, §9007, Dec. 27, 2020, 134 Stat. 2600.)

Editorial Notes

REFERENCES IN TEXT

Sections 9001, 9002, 9003, 9004, and 9005 of this Act, referred to in subsecs. (a) and (b), are sections 9001, 9002, 9003, 9004, and 9005 of div. Z of Pub. L. 116-260, known as the Energy Act of 2020. Sections 9001 and 9003 of the Act amended section 16391 of this title. Section 9002 of the Act enacted provisions set out as a note under section 16391 of this title. Section 9004 of the Act amended section 16396 of this title. Section 9005 of the Act enacted section 7256c of this title.

CODIFICATION

Section was enacted as part of the Energy Act of 2020, and not as part of the Energy Policy Act of 2005 which comprises this chapter.

§ 16392. Technology Infrastructure Program

(a) Definitions

In this section:

(1) Program

The term “Program” means the Technology Infrastructure Program established under subsection (b).

(2) Technology cluster

The term “technology cluster” means a concentration of technology-related business concerns, institutions of higher education, or non-profit institutions, that reinforce each other’s performance in the areas of technology development through formal or informal relationships.

(3) Technology-related business concern

The term “technology-related business concern” means a for-profit corporation, company, association, firm, partnership, or small business concern that—

- (A) conducts scientific or engineering research;
- (B) develops new technologies;
- (C) manufactures products based on new technologies; or
- (D) performs technological services.

(b) Establishment

The Secretary shall establish a Technology Infrastructure Program in accordance with this section.

(c) Purpose

The purpose of the Program shall be to improve the ability of National Laboratories and single-purpose research facilities to support departmental missions by—

- (1) stimulating the development of technology clusters that can support departmental missions at the National Laboratories or single-purpose research facilities;
- (2) improving the ability of National Laboratories and single-purpose research facilities to leverage and benefit from commercial research, technology, products, processes, and services; and
- (3) encouraging the exchange of scientific and technological expertise between—

(A) National Laboratories or single-purpose research facilities; and

(B) entities that can support departmental missions at the National Laboratories or single-purpose research facilities, such as—

- (i) institutions of higher education;
- (ii) technology-related business concerns;
- (iii) nonprofit institutions; and
- (iv) agencies of State, tribal, or local governments.

(d) Projects

The Secretary shall authorize the director of each National Laboratory or single-purpose research facility to implement the Program at the National Laboratory or facility through one or more projects that meet the requirements of subsections (e) and (f).

(e) Program requirements

(1) In general

Each project funded under this section shall meet the requirements of this subsection.

(2) Entities

Each project shall include at least one of each of the following entities:

- (A) A business.
- (B) An institution of higher education.
- (C) A nonprofit institution.
- (D) An agency of a State, local, or tribal government.

(3) Cost-sharing

(A) In general

The costs of carrying out projects under this section shall be shared in accordance with section 16352 of this title.

(B) Sources

The calculation of costs paid by the non-Federal sources for a project shall include cash, personnel, services, equipment, and other resources expended on the project after the commencement of the project.

(C) Research and development expenses

Independent research and development expenses of Government contractors that qualify for reimbursement under section 31.205-18(e) of title 48, Code of Federal Regulations, issued pursuant to section 1303(a)(1) of title 41, may be credited towards costs paid by non-Federal sources to a project, if the expenses meet the other requirements of this section.

(4) Competitive selection

A project under this section shall be competitively selected using procedures determined by the Secretary.

(5) Accounting

Any participant that receives funds under this section may use generally accepted accounting principles for maintaining accounts, books, and records relating to the project.

(6) Duration

No Federal funds shall be made available under this section for a construction project or for any project with a duration of more than 5 years.

(f) Selection criteria

(1) Departmental missions

The Secretary shall allocate funds under this section only if the Director of the National Laboratory or single-purpose research facility managing the project determines that the project is likely to improve the ability of the National Laboratory or single-purpose research facility to achieve technical success in meeting departmental missions.

(2) Other criteria

In selecting a project to receive Federal funds, the Secretary shall consider—

(A) the potential of the project to promote the development of a commercially sustainable technology cluster following the period of investment by the Department, which will derive most of the demand for its products or services from the private sector, and which will support departmental missions at the participating National Laboratory or single-purpose research facility;

(B) the potential of the project to promote the use of commercial research, technology, products, processes, and services by the participating National Laboratory or single-purpose research facility to achieve its mission or the commercial development of technological innovations made at the participating National Laboratory or single-purpose research facility;

(C) the extent to which the project involves a wide variety and number of institutions of higher education, nonprofit institutions, and technology-related business concerns that can support the missions of the participating National Laboratory or single-purpose research facility and that will make substantive contributions to achieving the goals of the project;

(D) the extent to which the project focuses on promoting the development of technology-related business concerns that are small businesses or involves such small businesses substantively in the project; and

(E) such other criteria as the Secretary determines to be appropriate.

(g) Allocation

In allocating funds for projects approved under this section, the Secretary shall provide—

(1) the Federal share of the project costs; and

(2) additional funds to the National Laboratory or single-purpose research facility managing the project to permit the National Laboratory or single-purpose research facility to carry out activities relating to the project, and to coordinate the activities with the project.

(h) Report to Congress

Not later than July 1, 2008, the Secretary shall submit to Congress a report on whether the Program should be continued and, if so, how the program should be managed.

(i) Authorization of appropriations

There are authorized to be appropriated to the Secretary for activities under this section \$10,000,000 for each of fiscal years 2006 through 2008.

(Pub. L. 109–58, title X, §1002, Aug. 8, 2005, 119 Stat. 927.)

Editorial Notes

CODIFICATION

In subsec. (e)(3)(C), “section 1303(a)(1) of title 41” substituted for “section 25(c)(1) of the Office of Federal Procurement Policy Act (41 U.S.C. 421(c)(1))” on authority of Pub. L. 111–350, §6(c), Jan. 4, 2011, 124 Stat. 3854, which Act enacted Title 41, Public Contracts.

§ 16393. Small business advocacy and assistance

(a) Small business advocate

The Secretary shall require the Director of each National Laboratory, and may require the Director of a single-purpose research facility, to designate a small business advocate to—

- (1) increase the participation of small business concerns, including socially and economically disadvantaged small business concerns (as defined in section 637(a)(4) of title 15), in procurement, collaborative research, technology licensing, and technology transfer activities conducted by the National Laboratory or single-purpose research facility;
- (2) report to the Director of the National Laboratory or single-purpose research facility on the actual participation of small business concerns in procurement and collaborative research along with recommendations, if appropriate, on how to improve participation;
- (3) make available to small business concerns training, mentoring, and information on how to participate in procurement and collaborative research activities;
- (4) increase the awareness inside the National Laboratory or single-purpose research facility of the capabilities and opportunities presented by small business concerns; and
- (5) establish guidelines for the program under subsection (b) and report on the effectiveness of the program to the Director of the National Laboratory or single-purpose research facility.

(b) Establishment of small business assistance program

The Secretary shall require the Director of each National Laboratory, and may require the Director of a single-purpose research facility, to establish a program to provide small business concerns with—

- (1) assistance directed at making the small business concerns more effective and efficient subcontractors or suppliers to the National Laboratory or single-purpose research facilities; or
- (2) general technical assistance, the cost of which shall not exceed \$10,000 per instance of assistance, to improve the products or services of the small business concern.

(c) Use of funds

None of the funds expended under subsection (b) may be used for direct grants to small business concerns.

(d) Authorization of appropriations

There is authorized to be appropriated to the Secretary for activities under this section \$5,000,000 for each of fiscal years 2006 through 2008.

(Pub. L. 109–58, title X, §1003, Aug. 8, 2005, 119 Stat. 929.)

§ 16394. Outreach

The Secretary shall ensure that each program authorized by this Act or an amendment made by this Act includes an outreach component to provide information, as appropriate, to manufacturers, consumers, engineers, architects, builders, energy service companies, institutions of higher education, facility planners and managers, State and local governments, and other entities.

(Pub. L. 109–58, title X, §1004, Aug. 8, 2005, 119 Stat. 930.)

Editorial Notes

REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 109–58, Aug. 8, 2005, 119 Stat. 594, known as the Energy Policy Act of 2005, which enacted this chapter and enacted, amended, and repealed numerous other sections and notes in the Code. For complete classification of this Act to the Code, see Short Title note set out under section 15801 of this title and Tables.

§ 16395. Relationship to other laws

Except as otherwise provided in this Act or an amendment made by this Act, the Secretary shall carry out the research, development, demonstration, and commercial application programs, projects, and activities authorized by this Act or an amendment made by this Act in accordance with the applicable provisions of—

- (1) the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.);
- (2) the Federal Nonnuclear Energy Research and Development Act of 1974 (42 U.S.C. 5901 et seq.);
- (3) the Energy Policy Act of 1992 (42 U.S.C. 13201 et seq.);
- (4) the Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. 3701 et seq.);
- (5) chapter 18 of title 35 (commonly known as the “Bayh-Dole Act”); and
- (6) any other Act under which the Secretary is authorized to carry out the programs, projects, and activities.

(Pub. L. 109–58, title X, §1005, Aug. 8, 2005, 119 Stat. 930.)

Editorial Notes

REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 109–58, Aug. 8, 2005, 119 Stat. 594, known as the Energy Policy Act of 2005, which enacted this chapter and enacted, amended, and repealed numerous other sections and notes in the Code. For complete classification of this Act to the Code, see Short Title note set out under section 15801 of this title and Tables.

The Atomic Energy Act of 1954, referred to in par. (1), is act Aug. 1, 1946, ch. 724, as added by act Aug. 30, 1954, ch. 1073, §1, 68 Stat. 919, which is classified principally to chapter 23 (§2011 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 2011 of this title and Tables.

The Federal Nonnuclear Energy Research and Development Act of 1974, referred to in par. (2), is Pub. L. 93–577, Dec. 31, 1974, 88 Stat. 1878, which is classified generally to chapter 74 (§5901 et seq.) of this title. For