

(1) the activities of the Technology Transfer Working Group established under subsection (d);

(2) the expenditure of funds allocated for technology transfer within the Department;

(3) the activities of each technology partnership ombudsman appointed under section 7261c of this title; and

(4) efforts to engage private sector entities, including venture capital companies.

**(d) Technology Transfer Working Group**

The Secretary shall establish a Technology Transfer Working Group, which shall consist of representatives of the National Laboratories and single-purpose research facilities, to—

(1) coordinate technology transfer activities occurring at National Laboratories and single-purpose research facilities;

(2) exchange information about technology transfer practices, including alternative approaches to resolution of disputes involving intellectual property rights and other technology transfer matters; and

(3) develop and disseminate to the public and prospective technology partners information about opportunities and procedures for technology transfer with the Department, including opportunities and procedures related to alternative approaches to resolution of disputes involving intellectual property rights and other technology transfer matters.

**(e) Technology Commercialization Fund**

The Secretary shall establish an Energy Technology Commercialization Fund, using 0.9 percent of the amount made available to the Department for applied energy research, development, demonstration, and commercial application for each fiscal year based on future planned activities and the amount of the appropriations for the fiscal year, to be used to provide matching funds with private partners to promote promising energy technologies for commercial purposes.

**(f) Technology transfer responsibility**

Nothing in this section affects the technology transfer responsibilities of Federal employees under the Stevenson-Wylder Technology Innovation Act of 1980 (15 U.S.C. 3701 et seq.).

**(g) Planning and reporting**

**(1) In general**

Not later than 180 days after August 8, 2005, the Secretary shall submit to Congress a technology transfer execution plan.

**(2) Updates**

Each year after the submission of the plan under paragraph (1), the Secretary shall submit to Congress an updated execution plan and reports that describe progress toward meeting goals set forth in the execution plan and the funds expended under subsection (e).

(Pub. L. 109–58, title X, §1001, Aug. 8, 2005, 119 Stat. 926; Pub. L. 113–291, div. C, title XXXI, §3144, Dec. 19, 2014, 128 Stat. 3902.)

REFERENCES IN TEXT

The Stevenson-Wylder Technology Innovation Act of 1980, referred to in subsec. (f), is Pub. L. 96–480, Oct. 21,

1980, 94 Stat. 2311, as amended, which is classified generally to chapter 63 (§3701 et seq.) of Title 15, Commerce and Trade. For complete classification of this Act to the Code, see Short Title note set out under section 3701 of Title 15 and Tables.

AMENDMENTS

2014—Subsec. (e). Pub. L. 113–291 inserted “based on future planned activities and the amount of the appropriations for the fiscal year” after “each fiscal year”.

**§ 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 nonprofit 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.)

## 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.)

## REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 109–58, Aug. 8, 2005, 119 Stat. 594, as amended, 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.)

## REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 109–58, Aug. 8, 2005, 119 Stat. 594, as amended, 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, as amended, which is classified generally to chapter 74 (§5901 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 5901 of this title and Tables.

The Energy Policy Act of 1992, referred to in par. (3), is Pub. L. 102–486, Oct. 24, 1992, 106 Stat. 2776, as amended. For complete classification of this Act to the Code, see Short Title note set out under section 13201 of this title and Tables.

The Stevenson-Wydler Technology Innovation Act of 1980, referred to in par. (4), is Pub. L. 96–480, Oct. 21, 1980, 94 Stat. 2311, as amended, which is classified generally to chapter 63 (§3701 et seq.) of Title 15, Commerce and Trade. For complete classification of this Act to the Code, see Short Title note set out under section 3701 of Title 15 and Tables.