

(b) Small-scale demonstrations

Concurrently with activities conducted pursuant to section 12403 of this title, the Secretary shall conduct small-scale demonstrations of hydrogen technology at self-contained sites.

(c) Non-Federal funding

The Secretary shall require a commitment from non-Federal sources of at least 50 percent of the cost of any demonstration conducted under this section.

(Pub. L. 101-566, §105, Nov. 15, 1990, 104 Stat. 2799; Pub. L. 104-271, title I, §104, Oct. 9, 1996, 110 Stat. 3306.)

AMENDMENTS

1996—Subsec. (c). Pub. L. 104-271 added subsec. (c).

§ 12405. Technology transfer program**(a) Program**

The Secretary shall conduct a program designed to accelerate wider application of hydrogen production, storage, utilization, and other technologies available in near term as a result of aerospace experience as well as other research progress by transferring critical technologies to the private sector. The Secretary shall direct the program with the advice and assistance of the Hydrogen Technical Advisory Panel established under section 12407 of this title. The objective in seeking this advice is to increase participation of private industry in the demonstration of near commercial applications through cooperative research and development arrangements, joint ventures or other appropriate arrangements involving the private sector.

(b) Information

The Secretary, in carrying out the program authorized by subsection (a) of this section, shall—

(1) undertake an inventory and assessment of hydrogen technologies and their commercial capability to economically produce, store, or utilize hydrogen in aerospace, transportation, electric utilities, petrochemical, chemical, merchant hydrogen, and other industrial sectors; and

(2) develop a National Aeronautics Space Administration, Department of Energy, and industry information exchange program to improve technology transfer for—

(A) application of aerospace experience by industry;

(B) application of research progress by industry and aerospace;

(C) application of commercial capability of industry by aerospace; and

(D) expression of industrial needs to research organizations.

The information exchange program may consist of workshops, publications, conferences, and a data base for the use by the public and private sectors. The Secretary shall also foster the exchange of generic, nonproprietary information and technology, developed pursuant to this chapter, among industry, academia, and the Federal Government, to help the United States economy attain the economic benefits of this information and technology.

(Pub. L. 101-566, §106, Nov. 15, 1990, 104 Stat. 2799; Pub. L. 104-271, title I, §105, Oct. 9, 1996, 110 Stat. 3306.)

AMENDMENTS

1996—Subsec. (b). Pub. L. 104-271 inserted at end “The Secretary shall also foster the exchange of generic, nonproprietary information and technology, developed pursuant to this chapter, among industry, academia, and the Federal Government, to help the United States economy attain the economic benefits of this information and technology.”

§ 12406. Coordination and consultation**(a) Secretary’s responsibility**

The Secretary shall have overall management responsibility for carrying out programs under this chapter. In carrying out such programs, the Secretary, consistent with such overall management responsibility—

(1) shall use the expertise of the National Aeronautics and Space Administration and the Department of Transportation; and

(2) may use the expertise of any other Federal agency in accordance with subsection (b) of this section in carrying out any activities under this chapter,¹ to the extent that the Secretary determines that any such agency has capabilities which would allow such agency to contribute to the purpose of this chapter.

(b) Assistance

The Secretary may, in accordance with subsection (a) of this section, obtain the assistance of any department, agency, or instrumentality of the Executive branch of the Federal Government upon written request, on a reimbursable basis or otherwise and with the consent of such department, agency, or instrumentality. Each such request shall identify the assistance the Secretary deems necessary to carry out any duty under this chapter.

(c) Consultation

The Secretary shall consult with the Administrator of the National Aeronautics and Space Administration, the Administrator of the Environmental Protection Agency, the Secretary of Transportation, and the Hydrogen Technical Advisory Panel established under section 12407 of this title in carrying out his authorities pursuant to this chapter.

(Pub. L. 101-566, §107, Nov. 15, 1990, 104 Stat. 2800.)

REFERENCES IN TEXT

This chapter, the first time appearing in subsec. (a)(2), was in the original “this title”, and was translated as reading “this Act” meaning Pub. L. 101-566, to reflect the probable intent of Congress, because Pub. L. 101-566 is not divided into titles.

§ 12407. Technical panel**(a) Establishment**

There is hereby established the Hydrogen Technical Advisory Panel (the “technical panel”), to advise the Secretary on the programs under this chapter.

¹ See References in Text note below.

(b) Membership

The technical panel shall be appointed by the Secretary and shall be comprised of such representatives from domestic industry, universities, professional societies, Government laboratories, financial, environmental, and other organizations as the Secretary deems appropriate based on his assessment of the technical and other qualifications of such representatives. Appointments to the technical panel shall be made within 90 days after November 15, 1990. The technical panel shall have a chairman, who shall be elected by the members from among their number.

(c) Cooperation

The heads of the departments, agencies, and instrumentalities of the Executive branch of the Federal Government shall cooperate with the technical panel in carrying out the requirements of this section and shall furnish to the technical panel such information as the technical panel deems necessary to carry out this section.

(d) Review

The technical panel shall review and make any necessary recommendations to the Secretary on the following items—

- (1) the implementation and conduct of programs under this chapter; and
- (2) the economic, technological, and environmental consequences of the deployment of hydrogen production and use systems.

(e) Support

The Secretary shall provide such staff, funds and other support as may be necessary to enable the technical panel to carry out the functions described in this section.

(Pub. L. 101-566, §108, Nov. 15, 1990, 104 Stat. 2800; Pub. L. 104-271, title I, §102(b), Oct. 9, 1996, 110 Stat. 3305.)

AMENDMENTS

1996—Subsec. (d)(3). Pub. L. 104-271 struck out par. (3) which read as follows: “comments on and recommendations for improvements in the comprehensive 5-year program management plan required under section 12402 of this title.”

TERMINATION OF ADVISORY PANELS

Advisory panels established after Jan. 5, 1973, to terminate not later than the expiration of the 2-year period beginning on the date of their establishment, unless, in the case of a panel established by the President or an officer of the Federal Government, such panel is renewed by appropriate action prior to the expiration of such 2-year period, or in the case of a panel established by Congress, its duration is otherwise provided for by law. See sections 3(2) and 14 of Pub. L. 92-463, Oct. 6, 1972, 86 Stat. 770, 776, set out in the Appendix to Title 5, Government Organization and Employees.

§ 12408. Authorization of appropriations

There is hereby authorized to be appropriated to carry out the purposes of this chapter (in addition to any amounts made available for such purposes under other Acts)—

- (1) \$3,000,000 for the fiscal year 1992;
- (2) \$7,000,000 for the fiscal year 1993;
- (3) \$10,000,000 for the fiscal year 1994;
- (4) \$14,500,000 for fiscal year 1996;

- (5) \$20,000,000 for fiscal year 1997;
- (6) \$25,000,000 for fiscal year 1998;
- (7) \$30,000,000 for fiscal year 1999;
- (8) \$35,000,000 for fiscal year 2000; and
- (9) \$40,000,000 for fiscal year 2001.

(Pub. L. 101-566, §109, Nov. 15, 1990, 104 Stat. 2801; Pub. L. 104-271, title I, §106, Oct. 9, 1996, 110 Stat. 3306.)

AMENDMENTS

1996—Pub. L. 104-271 substituted “under other Acts” for “to other Acts” in introductory provisions and added pars. (4) to (9).

CHAPTER 129—NATIONAL AND COMMUNITY SERVICE

Sec.

12501. Findings and purpose.

SUBCHAPTER I—NATIONAL AND COMMUNITY SERVICE STATE GRANT PROGRAM**Division A—General Provisions**

12511. Definitions.

12512. Repealed.

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Division B—School-Based and Community-Based Service-Learning Programs**PART I—PROGRAMS FOR ELEMENTARY AND SECONDARY SCHOOL STUDENTS**

12521. Purpose.

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12530, 12531, 12541 to 12547, 12551. Omitted.

PART II—HIGHER EDUCATION INNOVATIVE PROGRAMS FOR COMMUNITY SERVICE

12561. Higher education innovative programs for community service.

12561a. Campuses of Service.

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12563. Innovative and community-based service-learning programs and research.

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12565. Study and report.

Division C—National Service Trust Program**PART I—INVESTMENT IN NATIONAL SERVICE**

12571. Authority to provide assistance and approved national service positions.

12572. National service programs eligible for program assistance.

12573. Types of national service positions eligible for approval for national service educational awards.

12574. Types of program assistance.

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12576. Other special assistance.

PART II—APPLICATION AND APPROVAL PROCESS

12581. Provision of assistance and approved national service positions.

12581a. Educational awards only program.