

**(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,<sup>1</sup> 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.

<sup>1</sup> See References in Text note below.