tic hydrogen fuel production capability; subsec. (b) attention was to be given to research of critical technical issues; subsec. (c) renewable energy priority; subsec. (d) new technologies; and subsec. (e) gathering and dissemination of information to support research and development efforts.

FUEL CELLS

Pub. L. 104–271, title II, Oct. 9, 1996, 110 Stat. 3307, provided that:

''SEC. 201. INTEGRATION OF FUEL CELLS WITH HYDROGEN PRODUCTION SYSTEMS.

''(a) Not later than 180 days after the date of enactment of this section [Oct. 9, 1996], and subject to the availability of appropriations made specifically for this section, the Secretary of Energy shall solicit proposals for projects to prove the feasibility of integrating fuel cells with—

''(1) photovoltaic systems for hydrogen production; or

''(2) systems for hydrogen production from solid waste via gasification or steam reforming.

''(b) Each proposal submitted in response to the solicitation under this section shall be evaluated on a competitive gas is [basis] using peer review. The Secretary is not required to make an award under this section in the absence of a meritorious proposals. [sic]

''(c) The Secretary shall give preference, in making an award under this section, to proposals that—

''(1) are submitted jointly from consortia including academic institutions, industry, State or local governments, and Federal laboratories; and

''(2) reflect proven experience and capability with technologies relevant to the systems described in subsections (a)(1) and (a)(2).

''(d) In the case of a proposal involving development or demonstration, the Secretary shall require a commitment from non-Federal sources of at least 50 percent of the cost of the development or demonstration portion of the proposal.

''(e) The Secretary shall establish, after consultation with other Federal agencies, terms and conditions under which Federal funding will be provided under this title that are consistent with the Agreement on Subsidies and Countervailing Measures referred to in section 101(d)(12) of the Uruguay Round Agreement Act (19 U.S.C. 3511(d)(12)).

''SEC. 202. AUTHORIZATION OF APPROPRIATIONS.

''There are authorized to be appropriated, for activities under this section [title], a total of $50,000,000 for fiscal years 1997 and 1998, to remain available until September 30, 1999.''

§ 12404. Demonstrations

(a) Requirement

The Secretary shall conduct demonstrations of critical technologies, preferably in self-contained locations, so that technical and non-technical parameters can be evaluated to best determine commercial applicability of the technology.

(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), 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