

thermal energy conversion to displace non-renewable fuels. To achieve the goals of this section and to facilitate development of a strong industrial basis for the application of ocean thermal energy conversion system technology, at least two independent parallel demonstration projects shall be competitively selected.

(b) Demonstration program goals

The specific goals of the demonstration program shall include at a minimum—

(1) the demonstration of ocean thermal energy conversion technical feasibility through multiple pilot and demonstration plants with a combined capacity of at least one hundred megawatts of electrical capacity or energy product equivalent by the year 1986;

(2) the delivery of baseload electricity to utilities located on land or the production of commercially attractive quantities of energy product; and

(3) the continuous operation of each pilot and demonstration facility for a sufficient period of time to collect and analyze system performance and reliability data.

(c) Financial assistance

In providing any financial assistance under this section, the Secretary shall (1) give full consideration to those projects which will provide energy to United States offshore States, its territories, and its possessions and (2) seek satisfactory cost-sharing arrangements when he deems such arrangements to be appropriate.

(Pub. L. 96-310, § 5, July 17, 1980, 94 Stat. 943.)

§ 9005. Technology application

(a) Technology application and market development plan

The Secretary shall, in consultation with the Administrator of the National Oceanic and Atmospheric Administration, the Administrator of the Maritime Administration, the Administrator of the National Aeronautics and Space Administration, and the Technical Panel established under section 9007 of this title, prepare a comprehensive technology application and market development plan that will permit realization of the ten-thousand-megawatt national goal by the year 1999. Such plans shall include at a minimum—

(1) an assessment of those Government actions required to achieve a two-hundred- to four-hundred-megawatt electrical-commercial demonstration of ocean thermal energy conversion systems in time to have industry meet the goal contained in section 9001(b)(2) of this title including a listing of those financial, property, and patent right packages most likely to lead to early commercial demonstration at minimum cost to the Federal Government;

(2) an assessment of further Government actions required to permit expansion of the domestic ocean thermal energy conversion industry to meet the goal contained in section 9001(b)(3) of this title;

(3) an analysis of further Government actions necessary to aid the industry in minimizing and removing any legal and institutional barriers such as the designation of a lead agency; and

(4) an assessment of the necessary Government actions to assist in eliminating economic uncertainties through financial incentives, such as loan guarantees, price supports, or other inducements.

(b) Transmittal of plan to Congress

The Secretary shall transmit such comprehensive technology application and market development plan to the Congress within three years after July 17, 1980, and update the plan on an annual basis thereafter.

(c) Respondent proposals

As part of the competitive procurement initiative for design and construction of the pilot and demonstration projects authorized in section 9009(c) of this title, each respondent shall include in its proposal (1) a plan leading to a full-scale, first-of-a-kind facility based on a proposed demonstration system; and (2) the financial and other contributions the respondent will make toward meeting the national goals.

(Pub. L. 96-310, § 6, July 17, 1980, 94 Stat. 944.)

§ 9006. Program selection criteria

The Secretary shall, in fulfilling his responsibilities under this chapter, select program activities and set priorities which are consistent with the following criteria:

(1) realization of energy production costs for ocean thermal energy conversion systems that are competitive with costs from conventional energy production systems;

(2) encouragement of projects for which contributions to project costs are forthcoming from private, industrial, utility, or governmental entities for the purpose of sharing with the Federal Government the costs of purchasing and installing ocean thermal energy conversion systems;

(3) promotion of ocean thermal energy conversion facilities for coastal areas, islands, and isolated military institutions which are vulnerable to interruption in the fossil fuel supply;

(4) preference for and priority to persons and domestic firms whose base of operations is in the United States as will assure that the program under this chapter promotes the development of a United States domestic technology for ocean thermal energy conversion; and

(5) preference for proposals for pilot and demonstration projects in which the respondents certify their intent to become an integral part of the industrial infrastructure necessary to meet the goals of this chapter.

(Pub. L. 96-310, § 7, July 17, 1980, 94 Stat. 944.)

§ 9007. Technical Panel of Energy Research Advisory Board

(a) Establishment

A Technical Panel of the Energy Research Advisory Board shall be established to advise the Board on the conduct of the ocean thermal energy conversion program.

(b) Membership

(1) The Technical Panel shall be comprised of such representatives from domestic industry,