

mospheric 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, universities, Government laboratories, financial, environmental and other organizations as the Chairman of the Energy Research Advisory Board deems appropriate based on his assessment of the technical and other qualifications of such representative.

(2) Members of the Technical Panel need not be members of the full Energy Research Advisory Board.

**(c) Compliance with laws and regulations**

The activities of the Technical Panel shall be in compliance with any laws and regulations guiding the activities of technical and fact-finding groups reporting to the Energy Research Advisory Board.

**(d) Review and recommendations**

The Technical Panel shall review and may make recommendations on the following items, among others:

(1) implementation and conduct of the programs established by this chapter;

(2) definition of ocean thermal energy conversion system performance requirements for various user applications; and

(3) economic, technological, and environmental consequences of the deployment of ocean thermal energy conversion systems.

**(e) Report**

The Technical Panel shall submit to the Energy Research Advisory Board on at least an annual basis a written report of its findings and recommendations with regard to the program. Such report, shall include at a minimum—

(1) a summary of the Panel's activities for the preceding year;

(2) an assessment and evaluation of the status of the programs mandated by this chapter; and

(3) comments on and recommendations for improvements in the comprehensive program

management plan required under section 9002 of this title.

**(f) Submittal of report to Secretary of Energy**

After consideration of the Technical Panel report, the Energy Research Advisory Board shall submit such report, together with any comments such Board deems appropriate, to the Secretary.

**(g) Cooperation by agency heads**

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.

**(h) Staff, funds, and other support from Secretary of Energy**

The Secretary shall provide sufficient staff, funds, and other support as necessary to enable the Technical Panel to carry out the functions described in this section.

(Pub. L. 96-310, § 8, July 17, 1980, 94 Stat. 945.)

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 the 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.

**§ 9008. Definitions**

As used in this chapter, the term—

(1) "ocean thermal energy conversion" means a method of converting part of the heat from the Sun which is stored in the surface layers of a body of water into electrical energy or energy product equivalent;

(2) "energy product equivalent" means an energy carrier including, but not limited to, ammonia, hydrogen, or molten salts or an energy-intensive commodity, including, but not limited to, electrometals, fresh water, or nutrients for aquaculture; and

(3) "Secretary" means the Secretary of Energy.

(Pub. L. 96-310, § 9, July 17, 1980, 94 Stat. 946.)

**§ 9009. Authorization of appropriations**

(a) There is hereby authorized to be appropriated to carry out the purposes of this chapter the sum of \$20,000,000 for operating expenses for the fiscal year ending September 30, 1981, in addition to any amounts authorized to be appropriated in the fiscal year 1981 Authorization Act pursuant to section 7270 of this title.

(b) There is hereby authorized to be appropriated to carry out the purposes of this chapter the sum of \$60,000,000 for operating expenses for the fiscal year ending September 30, 1982.

(c) Funds are hereby authorized to be appropriated for fiscal year 1981 to carry out the pur-

poses of section 9004 of this title for plant and capital equipment as follows:

Project 81-ES-1, ocean thermal energy conversion demonstration plants with a combined capacity of at least one hundred megawatts electrical or the energy product equivalent, sites to be determined, conceptual and preliminary design activities only \$5,000,000.

(d) Funds are hereby authorized to be appropriated for fiscal year 1982 to carry out the purposes of section 9004 of this title for plant and capital equipment as follows:

Project 81-ES-1, ocean thermal energy conversion demonstration plants with a combined capacity of at least one hundred megawatts electrical or the energy product equivalent, sites to be determined, conceptual and preliminary design activities only \$25,000,000.

(Pub. L. 96-310, § 10, July 17, 1980, 94 Stat. 946.)

**CHAPTER 99—OCEAN THERMAL ENERGY CONVERSION**

Sec.	
9101.	Congressional declaration of policy.
9102.	Definitions.
SUBCHAPTER I—REGULATION OF OCEAN THERMAL ENERGY CONVERSION FACILITIES AND PLANTSHIPS	
9111.	License for ownership, construction, and operation of ocean thermal energy conversion facilities or plantships.
9112.	Procedure.
9113.	Protection of submarine electric transmission cables and equipment.
9114.	Antitrust review.
9115.	Adjacent coastal States.
9116.	Diligence requirements.
9117.	Protection of the environment.
9118.	Marine environmental protection and safety of life and property at sea.
9119.	Prevention of interference with other uses of high seas.
9120.	Monitoring of licensees' activities.
9121.	Suspension, revocation, and termination of licenses.
9122.	Recordkeeping and public access to information.
9123.	Relinquishment or surrender of license.
9124.	Civil actions.
9125.	Judicial review.
9126.	Exempt operations.
9127.	Periodic review and revision of regulations.
SUBCHAPTER II—MARITIME FINANCING FOR OCEAN THERMAL ENERGY CONVERSION	
9141.	Determinations under Merchant Marine Act, 1936.
SUBCHAPTER III—ENFORCEMENT	
9151.	Prohibited acts.
9152.	Remedies and penalties.
9153.	Enforcement.
SUBCHAPTER IV—MISCELLANEOUS PROVISIONS	
9161.	Law of the Sea Treaty.
9162.	International negotiations.
9163.	Relationship to other laws.
9164.	Submarine electric transmission cable and equipment safety.
9165.	Omitted.
9166.	Authorization of appropriations.
9167.	Severability.
9168.	Report to Congress on promotion and enhancement of export potential of ocean thermal energy conversion components, facilities, and plantships.