

under section 8903 of this title there is authorized to be appropriated to the National Oceanic and Atmospheric Administration for fiscal year 1981 the sum of \$5,000,000 to remain available until expended.

(b) Authorizations of appropriations for the nine fiscal years following the fiscal year in which the comprehensive plan is submitted in final form under section 8903(c)(3) of this title, for purposes of carrying out the comprehensive ten-year program established by section 8902(a) of this title and implementing the comprehensive plan under sections 8903 and 8904 of this title, shall be provided on an annual basis in authorization Acts hereafter enacted; but the total sum of dollars authorized for such purposes for such nine fiscal years shall not exceed \$45,000,000 except as may be specifically provided by reference to this paragraph in the authorization Acts involved.

(Pub. L. 96-294, title VII, §706, June 30, 1980, 94 Stat. 773.)

**§ 8906. Updated data base on acid content in precipitation; new monitoring site not required**

(a)(1) The National Weather Service of the National Oceanic and Atmospheric Administration shall maintain an updated data base describing the acid content in precipitation in the United States, using information from Federal acid precipitation monitoring sites.

(2) Such data shall be available to interested parties by Weather Service Forecast Offices in the National Weather Service, or through such other facilities or means as the Assistant Administrator for Weather Services, National Oceanic and Atmospheric Administration, shall direct, for those areas of the United States where and at such time as such information is presently available, within 120 days after November 17, 1988.

(3) Where other Federal agencies collect such data in the course of carrying out their statutory missions, the heads of those agencies and the Administrator of the National Oceanic and Atmospheric Administration shall arrange for the transfer of such data to the National Weather Service.

(b) Nothing in this section shall be construed to require any Federal agency to establish any new acid precipitation monitoring site.

(Pub. L. 100-685, title IV, §414, Nov. 17, 1988, 102 Stat. 4101.)

CODIFICATION

Section was enacted as part of the National Aeronautics and Space Administration Authorization Act, Fiscal Year 1989, and not as part of the Acid Precipitation Act of 1980 which comprises this chapter.

SUBCHAPTER II—CARBON DIOXIDE

**§ 8911. Comprehensive study of projected impact on atmospheric levels of fossil fuel combustion, etc.**

**(a) Implementing agreement between Director of Office of Science and Technology and National Academy of Sciences; contents; conduct; status report by President respecting negotiations of Office**

(1) The Director of the Office of Science and Technology Policy shall enter into an agree-

ment with the National Academy of Sciences to carry out a comprehensive study of the projected impact, on the level of carbon dioxide in the atmosphere, of fossil fuel combustion, coal-conversion and related synthetic fuels activities authorized in this Act, and other sources. Such study should also include an assessment of the economic, physical, climatic, and social effects of such impacts. In conducting such study the Office and the Academy are encouraged to work with domestic and foreign governmental and non-governmental entities, and international entities, so as to develop an international, worldwide assessment of the problems involved and to suggest such original research on any aspect of such problems as the Academy deems necessary.

(2) The President shall report to the Congress within six months after June 30, 1980, regarding the status of the Office's negotiations to implement the study required under this section.

**(b) Final report by Office and Academy; contents; prior clearance or review of work of Academy; recommendations**

A report including the major findings and recommendations resulting from the study required under this section shall be submitted to the Congress by the Office and the Academy not later than three years after June 30, 1980. The Academy contribution to such report shall not be subject to any prior clearance or review, nor shall any prior clearance or conditions be imposed on the Academy as part of the agreement made by the Office with the Academy under this section. Such report shall in any event include recommendations regarding—

(1) how a long-term program of domestic and international research, monitoring, modeling, and assessment of the causes and effects of varying levels of atmospheric carbon dioxide should be structured, including comments by the Office on the interagency requirements of such a program and comments by the Secretary of State on the international agreements required to carry out such a program;

(2) how the United States can best play a role in the development of such a long-term program on an international basis;

(3) what domestic resources should be made available to such a program;

(4) how the ongoing United States Government carbon dioxide assessment program should be modified so as to be of increased utility in providing information and recommendations of the highest possible value to government policy makers; and

(5) the need for periodic reports to the Congress in conjunction with any long-term program the Office and the Academy may recommend under this section.

**(c) Information from other Federal agencies and departments**

The Secretary of Energy, the Secretary of Commerce, the Administrator of the Environmental Protection Agency, and the Director of the National Science Foundation shall furnish to the Office or the Academy upon request any information which the Office or the Academy determines to be necessary for purposes of conducting the study required by this section.

**(d) Separate assessment by Office of interagency implementation requirements**

The Office shall provide a separate assessment of the interagency requirements to implement a comprehensive program of the type described in the third sentence of subsection (b).

(Pub. L. 96-294, title VII, §711, June 30, 1980, 94 Stat. 774.)

REFERENCES IN TEXT

This Act, referred to in subsec. (a), is Pub. L. 96-294, June 30, 1980, 94 Stat. 611, as amended, known as the Energy Security Act. For complete classification of this Act to the Code, see Short Title note set out under section 8801 of this title and Tables.

**§ 8912. Authorization of appropriations**

For the expenses of carrying out the carbon dioxide study authorized by section 8911 of this title (as determined by the Office of Science and Technology Policy) there are authorized to be appropriated such sums, not exceeding \$3,000,000 in the aggregate, as may be necessary. At least 80 percent of any amounts appropriated pursuant to the preceding sentence shall be provided to the National Academy of Sciences.

(Pub. L. 96-294, title VII, §712, June 30, 1980, 94 Stat. 775.)

**CHAPTER 98—OCEAN THERMAL ENERGY CONVERSION RESEARCH AND DEVELOPMENT**

Sec.	
9001.	Congressional findings and declaration of purpose.
9002.	Comprehensive program management plan.
9003.	Research and development.
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**§ 9001. Congressional findings and declaration of purpose**

- (a) The Congress finds that—
  - (1) the supply of nonrenewable fuels in the United States is slowly being depleted;
  - (2) alternative sources of energy must be developed;
  - (3) ocean thermal energy is a renewable energy resource that can make a significant contribution to the energy needs of the United States;
  - (4) the technology base for ocean thermal energy conversion has improved over the past two years, and has consequently lowered the technical risk involved in constructing moderate-sized pilot plants with an electrical generating capacity of about ten to forty megawatts;
  - (5) while the Federal ocean thermal energy conversion program has grown in size and scope over the past several years, it is in the national interest to accelerate efforts to commercialize ocean thermal energy conversion by building pilot and demonstration facilities and to begin planning for the commercial demonstration of ocean thermal energy conversion technology;

- (6) a strong and innovative domestic industry committed to the commercialization of ocean thermal energy conversion must be established, and many competent domestic industrial groups are already involved in ocean thermal energy conversion research and development activity; and

- (7) consistent with the findings of the Domestic Policy Review on Solar Energy, ocean thermal energy conversion energy can potentially contribute at least one-tenth of quad of energy per year by the year 2000.

(b) Therefore, the purpose of this chapter is to accelerate ocean thermal energy conversion technology development to provide a technical base for meeting the following goals:

- (1) demonstration by 1986 of at least one hundred megawatts of electrical capacity or energy product equivalent from ocean thermal energy conversion systems;
- (2) demonstration by 1989 of at least five hundred megawatts of electrical capacity or energy product equivalent from ocean thermal energy conversion systems;
- (3) achievement in the mid-1990's, for the gulf coast region of the continental United States and for islands in the United States, its possessions and its territories, an average cost of electricity or energy product equivalent produced by installed ocean thermal energy conversion systems that is competitive with conventional energy sources; and
- (4) establish as a national goal ten thousand megawatts of electrical capacity or energy product equivalent from ocean thermal energy conversion systems by the year 1999.

(Pub. L. 96-310, §2, July 17, 1980, 94 Stat. 941.)

SHORT TITLE

Pub. L. 96-310, §1, July 17, 1980, 94 Stat. 941, provided: "That this Act [enacting this chapter] may be cited as the 'Ocean Thermal Energy Conversion Research, Development, and Demonstration Act'."

**§ 9002. Comprehensive program management plan**

**(a) Preparation of plan**

(1) The Secretary is authorized and directed to prepare a comprehensive program management plan for the conduct under this chapter of research, development, and demonstration activities consistent with the provisions of sections 9003, 9004, and 9005 of this title.

(2) In the preparation of such plan, the Secretary shall consult 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 heads of such other Federal agencies and such public and private organizations as he deems appropriate.

**(b) Transmittal of plan to Congress**

The Secretary shall transmit the comprehensive program management plan to the Committee on Science and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate within nine months after July 17, 1980.