

§ 5507. Arrangements with Federal agencies for development and demonstration of solar heating and combined heating and cooling systems for commercial buildings

The Administrator, in consultation with the Secretary, the Secretary of Energy, the Administrator of General Services, and the Director of the National Institute of Standards and Technology and concurrently with the conduct of the programs under sections 5503 and 5504 of this title, shall enter into arrangements with appropriate Federal agencies to carry out such projects and activities (including demonstration projects) with respect to apartment buildings, office buildings, factories, crop-drying facilities and other agricultural structures, public buildings (including schools and colleges), and other non-residential, commercial, or industrial buildings, taking into account the special needs of and individual differences in such buildings based upon size, function, and other relevant factors, as may be appropriate for the early development and demonstration of solar heating and combined solar heating and cooling systems suitable and effective for use in such buildings.

(Pub. L. 93-409, §9, Sept. 3, 1974, 88 Stat. 1074; Pub. L. 93-438, title I, §104(f), title III, §301(h), Oct. 11, 1974, 88 Stat. 1238, 1250; Pub. L. 95-91, title III, §301(a), title VII, §§703, 707, Aug. 4, 1977, 91 Stat. 577, 606, 607; Pub. L. 100-418, title V, §5115(c), Aug. 23, 1988, 102 Stat. 1433.)

Editorial Notes

AMENDMENTS

1988—Pub. L. 100-418 substituted “National Institute of Standards and Technology” for “National Bureau of Standards”.

Statutory Notes and Related Subsidiaries

TRANSFER OF FUNCTIONS

“Secretary of Energy” substituted in text for “Director”, meaning Director of National Science Foundation, pursuant to sections 104(f) and 301(h) of Pub. L. 93-438, which are classified to sections 5814(f) and 5871(h) of this title and which transferred functions of National Science Foundation relating to or utilized in connection with solar heating and cooling development to Administrator of Energy Research and Development Administration, and pursuant to sections 301(a), 703, and 707 of Pub. L. 95-91, which are classified to sections 7151(a), 7293, and 7297 of this title and which terminated Energy Research and Development Administration and transferred its functions and functions of Administrator thereof (with certain exceptions) to Secretary of Energy.

§ 5508. Program of applied research by Secretary of Energy for improvement and development of heating systems for commercial application; transmission of results to Secretary and Administrator

(a) The Secretary of Energy shall conduct a program of applied research relevant to (1) the improvement of solar heating components and systems and (2) the development and commercial application of combined solar heating and cooling components and systems as contemplated by the programs under this subchapter.

(b) The Secretary of Energy shall apprise the Secretary and the Administrator on a con-

tinuing basis of the results of the programs being conducted in accordance with subsection (a), and the Secretary and the Administrator shall insure that such results, where appropriate, are incorporated into the development and demonstration programs established by this subchapter.

(Pub. L. 93-409, §10, Sept. 3, 1974, 88 Stat. 1074; Pub. L. 93-438, title I, §104(f), title III, §301(h), Oct. 11, 1974, 88 Stat. 1238, 1250; Pub. L. 95-91, title III, §301(a), title VII, §§703, 707, Aug. 4, 1977, 91 Stat. 577, 606, 607.)

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§ 5509. Supervision of systems and programs by Secretary

(a) Monitoring of performance; collection and evaluation of data; studies and investigation; reports to Congress

The Secretary, utilizing the services of the Director of the National Institute of Standards and Technology and in coordination with such other Government agencies as may be appropriate, shall—

(1) monitor the performance and operation of solar heating and combined solar heating and cooling systems installed in residential dwellings under this subchapter;

(2) collect and evaluate data and information on the performance and operation of solar heating and combined solar heating and cooling systems installed in residential dwellings under this subchapter; and

(3) from time to time, carrying out such studies and investigations and take such other actions, including the submission of special reports to the Congress when appropriate, as may be necessary to assure that the programs for which the Secretary is responsible under this subchapter effectively carry out the policy of this subchapter.

(b) Cooperation with scientific, technical, and professional societies and industry representatives in development of performance criteria and test procedures

In the development of the performance criteria and test procedures required under sections 5503, 5504, and 5506 of this title, the Secretary shall work closely with the appropriate scientific, technical, and professional societies and industry representatives to insure the best possible use of available expertise in this area.

(c) Continued liaison with building and related industries and scientific and technical communities

The Secretary shall also maintain continuing liaison with the building industry and related industries and interests, and with the scientific and technical community during and after the period of the programs carried out under this subchapter, in order to assure that the projected benefits of such programs are and will continue to be realized.

(Pub. L. 93-409, §11, Sept. 3, 1974, 88 Stat. 1074; Pub. L. 100-418, title V, §5115(c), Aug. 23, 1988, 102 Stat. 1433.)

Editorial Notes

AMENDMENTS

1988—Subsec. (a). Pub. L. 100-418 substituted “National Institute of Standards and Technology” for “National Bureau of Standards”.

§ 5510. Dissemination of information to promote practical use of solar heating and cooling technologies

(a) Coordination by Secretary with other Federal agencies in dissemination to Federal, State, and local authorities, etc.

The Secretary shall take all possible steps to assure that full and complete information with respect to the demonstrations and other activities conducted under this subchapter is made available to Federal, State, and local authorities, the building industry and related segments of the economy, the scientific and technical community, and the public at large, both during and after the close of the programs under this subchapter, with the objective of promoting and facilitating to the maximum extent feasible the early and widespread practical use of solar energy for the heating and cooling of buildings throughout the United States. In accordance with regulations prescribed under section 5514 of this title such information shall be disseminated on a coordinated basis by the Secretary, the Administrator, the Director of the National Institute of Standards and Technology, the Secretary of Energy, the Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office, and other appropriate Federal offices and agencies.

(b) Studies, investigations and modifications of building codes, zoning ordinances, etc., to promote use of solar energy in buildings

In addition, the Secretary shall—

(1) study and investigate the effect of building codes, zoning ordinances, tax regulations, and other laws, codes, ordinances, and practices upon the practical use of solar energy for the heating and cooling of buildings;

(2) determine the extent to which such laws, codes, ordinances, and practices should be changed to permit or facilitate such use, and the methods by which any such changes may best be brought about; and

(3) study the necessity of a program of incentives to accelerate the commercial application of solar heating and cooling technology.

(c) Establishment and operation of Solar Heating and Cooling Information Data Bank; retrieval and dissemination services; compilation of information for use by governmental agencies, nonprofit organizations and private persons; utilization of existing information

(1) In carrying out his functions under subsections (a) and (b) the Secretary, utilizing the capabilities of the National Aeronautics and Space Administration, the Department of Commerce, and the Secretary of Energy to the maximum extent possible, shall establish and operate a Solar Heating and Cooling Information Data Bank (hereinafter in this subsection referred to as the “bank”) for the purpose of collecting, reviewing, processing, and disseminating solar heating and cooling information and data in a timely and accurate manner in support of the objectives of this subchapter.

(2) Information and data compiled in the bank shall include—

(A) technical information (including reports, journal articles, dissertations,¹ monographs, and project descriptions) on solar energy research, development, and applications;

(B) technical information on the design, construction, and maintenance of buildings compatible with solar heating and cooling concepts;

(C) physical and chemical properties of the materials required for solar heating and cooling;

(D) climatic conditions in appropriate areas of the United States, including those areas where the demonstrations are to be located; and

(E) engineering performance of devices utilized in solar heating and cooling or to be employed in the demonstrations.

(3) In accordance with regulations prescribed under section 5514 of this title, the Secretary shall provide retrieval and dissemination services to cover the solar heating and cooling information described under paragraph (2) for—

(A) Federal, State, and local government organizations that are active in the area of energy resources (and their contractors);

(B) universities, colleges, and other nonprofit organizations; and

(C) private persons, upon request, in appropriate cases.

(4) In carrying out his functions under this subsection, the Secretary shall utilize, when feasible, the existing data base of scientific and technical information in Federal agencies, adding to such data base any information described in paragraph (2) which does not already reside in such base.

(d) Annual reports to President and Congress by officers and agencies; contents; special annual report by Secretary

Each Federal officer and agency having functions under this subchapter shall include in his or its annual report to the President and the Congress a full and complete description of his or its activities (current and projected) under

¹ So in original. Probably should be “dissertations.”.