

(f) Installation of combined systems by Secretary of Defense in dwellings located on Federal or federally administered property

The Secretary of Defense shall arrange for the installation of combined solar heating and cooling systems procured by the Administrator under subsection (d)(2) of this section in a substantial number of residential dwellings which are located on Federal or federally administered property where the performance and operation of such systems can be regularly and effectively observed and monitored by designated Federal personnel.

(g) Coordination of activities to assure a realistic and effective demonstration

The Secretary and the Secretary of Defense, and officials responsible for administering Federal or federally administered property, shall coordinate their activities under this section to assure that combined solar heating and cooling systems are installed in a substantial number of residential dwellings and in a sufficient number of geographic areas under varying climatic conditions to constitute a realistic and effective demonstration in support of the objectives of this subchapter.

(Pub. L. 93-409, §6, Sept. 3, 1974, 88 Stat. 1072; 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.)

CODIFICATION

In subsec. (d), “subchapter II of chapter 201 of title 51” substituted for “title II of the National Aeronautics and Space Act of 1958” on authority of Pub. L. 111-314, §5(e), Dec. 18, 2010, 124 Stat. 3443, which Act enacted Title 51, National and Commercial Space Programs.

AMENDMENTS

1988—Subsec. (b)(1), (2). Pub. L. 100-418 substituted “National Institute of Standards and Technology” for “National Bureau of Standards”.

TRANSFER OF FUNCTIONS

“Secretary of Energy” substituted for “Director”, meaning Director of National Science Foundation, in subsecs. (b)(1) and (c) 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.

§ 5504a. Repealed. Pub. L. 96-125, title VIII, § 804(b), Nov. 26, 1979, 93 Stat. 948

Section, Pub. L. 95-356, title VIII, §804, Sept. 8, 1978, 92 Stat. 585, related to use of solar energy systems in military construction projects.

§ 5505. Omitted

CODIFICATION

Section, Pub. L. 93-409, §7, Sept. 3, 1974, 88 Stat. 1073, authorized and directed Administrator and Secretary

to prepare a comprehensive plan for conduct of development and demonstration activities under section 5503 and 5504, such plan to be transmitted to President and Congress within 120 days after Sept. 3, 1974.

§ 5506. Test procedures and definitive performance criteria for solar heating and combined solar heating and cooling components and systems and suitable dwellings; determination, consultation and publication in Federal Register

As soon as feasible, and utilizing data available from the demonstration programs under sections 5503 and 5504 of this title, the Secretary, utilizing the services of the Director of the National Institute of Standards and Technology and in consultation with the Administrator and the Secretary of Energy shall determine, prescribe, and publish in the Federal Register in accordance with the applicable provisions regarding rulemaking prescribed by section 553 of title 5,

(1) definitive performance criteria for solar heating and combined solar heating and cooling components and systems to be used in residential dwellings, taking into account climatic variations existing between different geographic areas;

(2) definitive performance criteria (relating to suitability for solar heating and for combined solar heating and cooling) for such dwellings, taking into account climatic variations existing between different geographic areas; and

(3) procedures whereby manufacturers of solar heating and combined solar heating and cooling components and systems shall have their products tested in order to provide certification that such products conform to the performance criteria established under paragraph (1).

(Pub. L. 93-409, §8, Sept. 3, 1974, 88 Stat. 1073; 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.)

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§ 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.)

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§ 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 continuing basis of the results of the programs being conducted in accordance with subsection (a) of this section, and the Secretary and the Adminis-

trator 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