

(a) The residential dwellings and other buildings which will be part of the demonstration programs referred to in sections 5503, 5504, and 5507 of this title shall be located in a sufficient number of different geographic areas in the United States to assure a realistic and effective demonstration of the solar heating systems and combined solar heating and cooling systems involved, and of the dwellings and other buildings themselves, in both rural and urban locations and under climatic conditions which vary as much as possible.

(b) Consideration shall be given to projected costs of commercial production and maintenance of the solar heating systems and combined solar heating and cooling systems utilized in the demonstration programs.

(c) Encouragement should be given in the conduct of programs under this subchapter to those projects in which funds, appropriated by any State or political subdivision thereof for the purpose of sharing costs with the Federal Government for the purchase and installation of solar heating or combined solar heating and cooling components and systems, are committed before or after September 3, 1974.

(Pub. L. 93-409, §15, Sept. 3, 1974, 88 Stat. 1077.)

#### § 5514. Regulations

The Administrator and the Secretary in consultation with the Director of the National Institute of Standards and Technology, the Secretary of Energy, the Administrator of the General Services Administration, the Secretary of Defense, and other appropriate officers and agencies, shall prescribe such regulations as may be necessary or appropriate to carry out this subchapter promptly and efficiently. Each such officer or agency, in consultation with the Administrator and the Secretary, may prescribe such regulations as may be necessary or appropriate to carry out his or its particular functions under this subchapter promptly and efficiently.

(Pub. L. 93-409, §16, Sept. 3, 1974, 88 Stat. 1078; 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.)

#### AMENDMENTS

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

#### TRANSFER OF FUNCTIONS

“Secretary of Energy” substituted in text for “Director”, meaning Director of the 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.

#### § 5515. Use of publicly assisted housing by Secretary in demonstrations

The Secretary shall make appropriate use of publicly assisted housing and particularly low-rent housing assisted under the United States Housing Act of 1937 [42 U.S.C. 1437 et seq.] in demonstrating solar heating systems and combined solar heating and cooling systems under this subchapter.

(Pub. L. 93-409, §17, Sept. 3, 1974, 88 Stat. 1078.)

#### REFERENCES IN TEXT

The United States Housing Act of 1937, referred to in text, is act Sept. 1, 1937, ch. 896, as revised generally by Pub. L. 93-383, title II, §201(a), Aug. 22, 1974, 88 Stat. 653, which is classified generally to chapter 8 (§1437 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 1437 of this title and Tables.

#### § 5516. Transfer of functions

Within sixty days after the effective date of the law creating the Energy Research and Development Administration or any other law creating a permanent Federal organization or agency having jurisdiction over the energy research and development functions of the United States (or within sixty days after September 3, 1974, if the effective date of such law occurs prior to the enactment of this subchapter), the energy research and development functions vested in the National Aeronautics and Space Administration and the National Science Foundation under this subchapter and any funds which may have been appropriated pursuant to section 5517 of this title, to the extent necessary or appropriate, may, in accordance with regulations prescribed by the Office of Management and Budget, be transferred to and vested in the Energy Research and Development Administration or such other organization or agency.

(Pub. L. 93-409, §18, Sept. 3, 1974, 88 Stat. 1078.)

#### TRANSFER OF FUNCTIONS

Energy Research and Development Administration terminated and functions vested by law in Administrator thereof transferred to Secretary of Energy (unless otherwise specifically provided) by sections 7151(a) and 7293 of this title.

Functions of National Science Foundation relating to or utilized in connection with solar heating and cooling development transferred to Administrator of Energy Research and Development Administration by section 5814(f) of this title.

#### § 5517. Authorization of appropriations

##### (a) Appropriations to National Aeronautics and Space Administration

There is hereby authorized to be appropriated to the National Aeronautics and Space Administration for the fiscal year ending June 30, 1975, \$5,000,000, to remain available until expended, to carry out the functions vested in the Administrator by this subchapter.

##### (b) Appropriations to Department of Housing and Urban Development

There is hereby authorized to be appropriated to the Department of Housing and Urban Development for the fiscal year ending June 30, 1975, \$5,000,000, to remain available until expended.

Any sums so appropriated shall be available (1) to carry out the functions vested in the Secretary of Housing and Urban Development by this subchapter, and (2) for transfer to the Department of Defense, the National Institute of Standards and Technology, and the General Services Administration to enable them to carry out their respective functions under this subchapter.

**(c) Appropriations for programs under this subchapter**

There is hereby authorized to be appropriated for the fiscal years ending June 30, 1976, 1977, 1978, and 1979, \$50,000,000 in the aggregate to carry out the programs established by this subchapter.

(Pub. L. 93-409, §19, Sept. 3, 1974, 88 Stat. 1078; Pub. L. 100-418, title V, §5115(c), Aug. 23, 1988, 102 Stat. 1433.)

AMENDMENTS

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

SUBCHAPTER II—RESEARCH,  
DEVELOPMENT, AND DEMONSTRATION

**§ 5551. Congressional declaration of findings and policy**

(a) The Congress hereby finds that—

(1) the needs of a viable society depend on an ample supply of energy;

(2) the current imbalance between domestic supply and demand for fuels and energy is likely to persist for some time;

(3) dependence on nonrenewable energy resources cannot be continued indefinitely, particularly at current rates of consumption;

(4) it is in the Nation’s interest to expedite the long-term development of renewable and nonpolluting energy resources, such as solar energy;

(5) the various solar energy technologies are today at widely differing stages of development, with some already near the stage of commercial application and others still requiring basic research;

(6) the early development and export of viable equipment utilizing solar energy, consistent with the established preeminence of the United States in the field of high technology products, can make a valuable contribution to our balance of trade;

(7) the mass production and use of equipment utilizing solar energy will help to eliminate the dependence of the United States upon foreign energy sources and promote the national defense;

(8) to date, the national effort in research, development, and demonstration activities relating to the utilization of solar energy has been extremely limited; therefore

(9) the urgency of the Nation’s critical energy shortages and the need to make clean and renewable energy alternatives commercially viable require that the Nation undertake an intensive research, development, and demonstration program with an estimated Federal investment which may reach or exceed \$1,000,000,000.

(b) The Congress declares that it is the policy of the Federal Government to—

(1) pursue a vigorous and viable program of research and resource assessment of solar energy as a major source of energy for our national needs; and

(2) provide for the development and demonstration of practicable means to employ solar energy on a commercial scale.

(Pub. L. 93-473, §2, Oct. 26, 1974, 88 Stat. 1431.)

SHORT TITLE

For short title of Pub. L. 93-473, which enacted this subchapter, as the “Solar Energy Research, Development, and Demonstration Act of 1974”, see section 1 of Pub. L. 93-473, set out as a note under section 5501 of this title.

**§ 5552. Definitions**

For the purposes of this subchapter—

(1) the term “solar energy” means energy which has recently originated in the Sun, including direct and indirect solar radiation and intermediate solar energy forms such as wind, sea thermal gradients, products of photosynthetic processes, organic wastes, and others;

(2) the term “byproducts” includes, with respect to any solar energy technology or process, any solar energy products (including energy forms) other than those associated with or constituting the primary product of such technology or process;

(3) the term “insolation” means the rate at which solar energy is received at the surface of the Earth;

(4) the term “Project” means the Solar Energy Coordination and Management Project; and

(5) the term “Chairman” means the Chairman of the Project.

(Pub. L. 93-473, §3, Oct. 26, 1974, 88 Stat. 1431.)

**§ 5553. Solar Energy Coordination and Management Project**

**(a) Establishment**

There is hereby established the Solar Energy Coordination and Management Project.

**(b) Membership; chairman; compensation**

(1) The Project shall be composed of six members as follows:

(A) an Assistant Director of the National Science Foundation;

(B) an Assistant Secretary of Housing and Urban Development;

(C) a member of the Federal Power Commission;

(D) an Associate Administrator of the National Aeronautics and Space Administration;

(E) the General Manager of the Atomic Energy Commission; and

(F) a member to be designated by the President.

(2) The President shall designate one member of the Project to serve as Chairman of the Project.

(3) If the individual designated under paragraph (1)(F) is an officer or employee of the Federal Government, he shall receive no additional pay on account of his service as a member of the