

(3) a number of designs for applications selected under paragraph (2), so that each design includes specific provisions for the utilization of solar photovoltaic components and systems selected under paragraph (1).

(b) Commercial production and utilization of photovoltaic components and systems; selection of components and systems compatible with chosen design concepts; procurement of components and systems

The Secretary, in accordance with the applicable provisions of sections 5906, 5907, and 5908 of this title and with such program guidelines as the Secretary may establish, shall—

(1) enter into such contracts and grants as may be necessary or appropriate for the development for commercial production and utilization of photovoltaic components and systems, including any further planning and design which may be required to conform with the specifications set forth in any applicable criteria;

(2) select, as being compatible with the design concepts chosen under subsection (a)(2) of this section, a reasonable number of photovoltaic components and systems; and

(3) enter into contracts with a number of persons or firms for the procurement of photovoltaic components and systems, including adequate numbers of spare and replacement parts for such systems.

(c) Design integration; demonstration of prototype photovoltaic systems; utilization of systems in existing facilities; terms and conditions upon transfer of facilities and systems

The Secretary is authorized to award contracts for the design integration between the application concepts and the photovoltaic systems procured by the Secretary under subsection (b)(3) of this section, and for the demonstration of prototype solar photovoltaic systems, and, when appropriate, for the utilization of such systems in existing facilities. Title to and ownership of the facilities so constructed and of photovoltaic systems installed hereunder may be conveyed to purchasers of such facilities under terms and conditions prescribed by the Secretary, including an express agreement that any such purchaser shall, in such manner and form and on such terms and conditions as the Secretary may prescribe, observe and monitor (or permit the Secretary to observe and monitor) the performance and operation of such systems for a period of five years, and that such purchaser (including any subsequent owner) shall regularly furnish the Secretary with such reports thereon as the agreement may require.

(d) Arrangements with Federal agencies for demonstration of systems in Federal buildings and facilities

The Secretary, in consultation with the Administrator of General Services or the Secretary of Defense or both (as may be appropriate) shall enter into arrangements with appropriate Federal agencies concurrently with the conduct of the programs under this section and section 5586 of this title, to carry out such projects and activities (including demonstration projects), with respect to Federal buildings and facilities, as

may be appropriate for the demonstration of photovoltaic systems suitable and effective for use in such applications.

(e) Projects and activities

The Secretary shall, as he deems appropriate, undertake any projects or activities (including demonstration projects) to further the attainment of the objectives of this section.

(Pub. L. 95-590, § 6, Nov. 4, 1978, 92 Stat. 2516.)

§ 5586. Test procedures and performance criteria

(a) Testing program

The Secretary shall conduct a testing program for photovoltaic systems to assist in the development and demonstration of prototype photovoltaic systems, including collectors, controls, power conditioning, and energy storage systems.

(b) Establishment and use of performance criteria

Data obtained from the testing program under subsection (a) of this section shall be evaluated and used in establishing performance criteria. These performance criteria shall be used in the demonstration program described in sections 5583, 5584, and 5585 of this title.

(c) Determination and publication in Federal Register

The Secretary shall determine, prescribe, and publish in the Federal Register, at a time which he determines to be feasible and justified—

(1) performance criteria for photovoltaic components and systems to be used in appropriate applications, and procedures whereby manufacturers of photovoltaic components and systems shall have their products tested in order to provide certification that such products conform to the performance criteria established under this paragraph; and

(2) revised performance criteria for photovoltaic components and systems to be used in appropriate applications, and procedures whereby manufacturers of photovoltaic components and systems shall have their products tested in order to provide certification that such products conform to the performance criteria established under this paragraph. Such criteria may be annually revised by the Secretary, as he deems appropriate.

(d) Performance criteria applicable to photovoltaic component or system procured or installed by Federal Government or with Federal assistance

Any photovoltaic component or system procured or installed by the Federal Government or procured or installed with Federal assistance under section 5584 or section 5585 of this title shall meet appropriate performance criteria prescribed under this section, if such performance criteria have been prescribed.

(Pub. L. 95-590, § 7, Nov. 4, 1978, 92 Stat. 2517.)

CODIFICATION

Section 5584 or section 5585 of this title, referred to in subsec. (d), was in the original "section (5) or section (6)" and was translated section 5584 or 5585 of this title as the probable intent of Congress.

§ 5587. Supervision of research, development, and demonstration programs

(a) Monitoring of photovoltaic systems; collection and evaluation of data; studies, investigations, and reports

The Secretary, in coordination with such Government agencies as may be appropriate, shall—

(1) monitor the performance and operation of photovoltaic systems installed under this subchapter;

(2) collect and evaluate data and information on the performance and operation of photovoltaic systems installed under this subchapter; and

(3) from time to time carry 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) Assistance from scientific, technical, and professional societies and industry representatives

In the development of the performance criteria and test procedures required under section 5586 of this title, the Secretary shall work closely with the appropriate scientific, technical, and professional societies and industry representatives in order to assure the best possible use of available expertise in this area.

(c) Liaison with industries, interests, and scientific and technical community

The Secretary shall also maintain continuing liaison with 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. 95-590, § 8, Nov. 4, 1978, 92 Stat. 2518.)

§ 5588. Solar Photovoltaic Energy Advisory Committee

(a) Establishment; duties

There is hereby established a Solar Photovoltaic Energy Advisory Committee, which shall study and advise the Secretary on—

(1) the scope and pace of research and development with respect to solar photovoltaic energy systems;

(2) the need for and timing of solar photovoltaic energy systems demonstration projects;

(3) the need for change in any research, development, or demonstration program established under this subchapter; and

(4) the economic, technological, and environmental consequences of the use of solar photovoltaic energy systems.

(b) Membership; chairman

The Committee shall be composed of thirteen members, including eleven members appointed by the Secretary from industrial organizations, academic institutions, professional societies or institutions, and other sources as he sees fit,

and two members of the public appointed by the President. The Chairman of the Committee shall be elected from among the members thereof.

(c) Cooperation from executive departments, agencies, and instrumentalities

The heads of the departments, agencies, and instrumentalities of the executive branch of the Federal Government shall cooperate with the Committee in carrying out the requirements of this section, and shall furnish to the Committee such information as the Committee deems necessary to carry out this section.

(d) Application of section 7234 of this title

Section 7234 of this title shall be applicable to the Committee, except as inconsistent with this section.

(Pub. L. 95-590, § 9, Nov. 4, 1978, 92 Stat. 2518.)

TERMINATION OF ADVISORY COMMITTEES

Advisory committees 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 committee established by the President or an officer of the Federal Government, such committee is renewed by appropriate action prior to the expiration of such 2-year period, or in the case of a committee established by the Congress, its duration is otherwise provided for by law. See section 14 of Pub. L. 92-463, Oct. 6, 1972, 86 Stat. 776, set out in the Appendix to Title 5, Government Organization and Employees.

§ 5589. Promotion and facilitation of practical use of photovoltaic energy

(a) Dissemination of information; trade secret exemption

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, relevant 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 photovoltaic energy throughout the United States. Any trade secret or other proprietary information shall be exempted from such mandatory disclosure, as otherwise specified in law applicable to research, development and demonstration programs of the Department of Energy, including, but not limited to, section 5916 of this title.

(b) Studies and investigations

The Secretary shall—

(1) study the effect of the widespread utilization of photovoltaic systems on the existing electric utility system at varying levels of photovoltaic contribution to the system;

(2) study and investigate the effect of utility rate structures, building codes, zoning ordinances, and other laws, codes, ordinances, and practices upon the practical use of photovoltaic systems;

(3) determine the extent to which such laws, codes, ordinances, and practices should be changed to permit or facilitate such use and