

to support programs of education in the sciences and engineering to provide the necessary trained personnel to perform the solar energy research, development, and demonstration activities required under this subchapter. Such support may include fellowships, traineeships, technical training programs, technologist training programs, and summer institute programs.

(Pub. L. 93-473, §9, Oct. 26, 1974, 88 Stat. 1436.)

#### TRANSFER OF FUNCTIONS

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. 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.

#### § 5559. Solar Energy Research Institute; establishment; functions; location

(a) There is established a Solar Energy Research Institute, which shall perform such research, development, and related functions as the Chairman may determine to be necessary or appropriate in connection with the Project's activities under this subchapter or to be otherwise in furtherance of the purpose and objectives of this subchapter.

(b) The Institute may be located (as designated by the Chairman) at a new or existing Federal laboratory (including a non-Federal laboratory performing functions under a contract entered into with the Project or with any of the agencies represented in the Project as well as a laboratory whose personnel are Federal employees).

(Pub. L. 93-473, §10, Oct. 26, 1974, 88 Stat. 1436.)

#### § 5560. International cooperation in solar energy research and programs of education

(a) The Chairman, in furtherance of the objectives of this subchapter, is authorized to cooperate and participate jointly with other nations, especially those with agreements for scientific cooperation with the United States, in the following activities:

(1) interinstitutional, bilateral, or multilateral research projects in the field of solar energy; and

(2) agreements and programs which will facilitate the exchange of information and data relating to solar energy resource assessment and solar energy technologies.

(b) The National Science Foundation is authorized to encourage, to the maximum extent practicable and consistent with the other objectives of this subchapter, international participation and cooperation in the development and maintenance of programs of education to carry out the policy set forth in section 5558 of this title.

(Pub. L. 93-473, §11, Oct. 26, 1974, 88 Stat. 1437.)

#### TRANSFER OF FUNCTIONS

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. 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.

#### § 5561. Regulations

The Chairman, in consultation with heads of the Federal agencies having functions under this subchapter and with 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 Chairman, 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. 93-473, §12, Oct. 26, 1974, 88 Stat. 1437.)

#### § 5562. Summary in annual report

A summary of all actions taken under the provisions of this subchapter and action planned for the ensuing year shall be included in the annual report required by section 7267 of this title.

(Pub. L. 93-473, §13, Oct. 26, 1974, 88 Stat. 1437; Pub. L. 96-470, title II, §203(c), Oct. 19, 1980, 94 Stat. 2243.)

#### AMENDMENTS

1980—Pub. L. 96-470 substituted provision requiring a summary of all action taken and action planned be included in the annual report required by section 7267 of this title for provision requiring the Chairman to report annually to the President and Congress on all action taken, action planned, and a projection, to the extent practical, of activities and funding requirements for the ensuing five years.

#### § 5563. Project information to Congressional committees

Notwithstanding any other provision of law, the Chairman (or the head of any agency which assumes the functions of the Project pursuant to section 5565 of this title) shall keep the appropriate committees of the House of Representatives and the Senate fully and currently informed with respect to all activities under this subchapter.

(Pub. L. 93-473, §14, Oct. 26, 1974, 88 Stat. 1437.)

#### § 5564. Comprehensive program definition; preparation; utilization of and consultation with other agencies; transmittal to the President and Congress; time of transmittal

(a) The Chairman is authorized and directed to prepare a comprehensive program definition of an integrated effort and commitment for effectively developing solar energy resources. The Chairman, in preparing such program definition, shall utilize and consult with the appropriate Federal agencies, State and local government agencies, and private organizations.

(b) The Chairman shall transmit such comprehensive program definition to the President and to each House of the Congress. An interim report shall be transmitted not later than March 1, 1975. The comprehensive program definition shall be transmitted as soon as possible there-

after, but in any case not later than June 30, 1975.

(Pub. L. 93-473, §15, Oct. 26, 1974, 88 Stat. 1437.)

#### § 5565. Transfer of functions

Within sixty days after the effective date of the 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 October 26, 1974, if the effective date of such law occurs prior to October 26, 1974), all of the authorities of the Project and all of the research and development functions (and other functions except those related to scientific and technical education) vested in Federal agencies under this subchapter along with related records, documents, personnel, obligations, and other items, to the extent necessary or appropriate, shall, in accordance with regulations prescribed by the Office of Management and Budget, be transferred to and vested in such organization or agency.

(Pub. L. 93-473, §16, Oct. 26, 1974, 88 Stat. 1438.)

#### § 5566. Authorization of appropriations

To carry out the provisions of this subchapter, there are authorized to be appropriated—

(1) for the fiscal year ending June 30, 1976, \$75,000,000;

(2) for subsequent fiscal years, only such sums as the Congress hereafter may authorize by law;

(3) such amounts as may be authorized for the construction of demonstrations pursuant to section 5556(f) of this title; and

(4) to the National Science Foundation for the fiscal year ending June 30, 1975, not to exceed \$2,000,000 to be made available for use in the preparation of the comprehensive program definition under section 5564 of this title.

(Pub. L. 93-473, §17, Oct. 26, 1974, 88 Stat. 1438.)

### SUBCHAPTER III—SOLAR PHOTOVOLTAIC ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION

#### § 5581. Congressional findings and declaration of policy

(a) The Congress hereby finds that—

(1) the United States of America is faced with a finite and diminishing resource base of native fossil fuels, and as a consequence must develop as quickly as possible a diversified, pluralistic national energy capability and posture;

(2) the current imbalance between supply and demand for fuels and energy in the United States is likely to grow for many years;

(3) the early demonstration of the feasibility of using solar photovoltaic energy systems for the generation of electricity could help to relieve the demand on existing fuel and energy supplies;

(4) the national security and economic well-being of the United States is endangered by its dependence on imported energy supplies which are subject to resource limitations, artificial pricing mechanisms which do not accurately

reflect supply and demand relationships, and supply interruptions;

(5) the early development and widespread utilization of photovoltaic energy systems could significantly expand the domestic energy resource base of the United States, thereby lessening its dependence on foreign supplies;

(6) the establishment of sizable markets for photovoltaic energy systems will justify private investment in plant and equipment necessary to realize the economies of scale, and will result in significant reductions in the unit costs of these systems;

(7) the use of solar photovoltaic energy systems for certain limited applications has already proved feasible;

(8) there appear to be no insoluble technical obstacles to the widespread commercial use of solar photovoltaic energy technologies;

(9) an aggressive research and development program should solve existing technical problems of solar photovoltaic systems; and, supported by an assured and growing market for photovoltaic systems during the next decade, should maximize the future contribution of solar photovoltaic energy to this Nation's future energy production;

(10) it is the proper and appropriate role of the Federal Government to undertake research, development, and demonstration programs in solar photovoltaic energy technologies and to supplement and assist private industry and other entities and thereby the general public, so as to hasten the general commercial use of such technologies;

(11) the high cost of imported energy sources impairs the economic growth of many nations which lack sizable domestic energy supplies or are unable to develop these resources;

(12) photovoltaic energy systems are economically competitive with conventional energy resources for a wide variety of applications in many foreign nations at the present time, and will find additional applications with continued cost reductions;

(13) the early development and export of solar photovoltaic energy systems, consistent with the established preeminence of the United States in the field of high technology products, can make a valuable contribution to the well-being of the people of other nations and to this Nation's balance of trade;

(14) the widespread use of solar photovoltaic energy systems to supplement and replace conventional methods for the generation of electricity would have a beneficial effect upon the environment;

(15) to increase the potential application of solar photovoltaic energy systems in remote locations, and to minimize the need for backup systems depending on fossil fuel, programs leading to the development of inexpensive and reliable systems for the storage of electricity should be pursued as part of any solar photovoltaic energy research, development, and demonstration program;

(16) evaluation of the performance and reliability of solar photovoltaic energy technologies can be expedited by testing of prototypes under carefully controlled conditions;