

tems into the existing national grid system, including the potential of photovoltaic-generated electricity to meet the peak-load energy needs of electric utilities, load management and reliability implications of the utilization of photovoltaic electricity by utilities, the implications of utility ownership of photovoltaic components leased to others primarily for decentralized applications, the impacts of utility use of electricity derived from photovoltaic energy systems on utility rate structures, and the potential for reducing or obviating the need for energy storage components for photovoltaic energy systems through utility interface;

(2) the extent of competition between firms currently engaged in the fabrication and installation of photovoltaics components and systems as it affects the character and growth potential of the American photovoltaics industry, and the likelihood that small photovoltaic firms will have reasonable opportunities to compete and participate in the various programs authorized by this subchapter;

(3) the need to identify legal alternatives to ensure access to direct sunlight for photovoltaic energy systems, the appropriate methods of encouraging the adoption of such alternatives, and the implications of widespread utilization of photovoltaic energy systems for land use and urban development;

(4) the availability of private capital at reasonable interest rates for individuals, businesses and others desiring to establish commercial enterprises to manufacture, market, install, and/or, maintain photovoltaic components and systems, or purchase and install such systems for private, industrial, agricultural, commercial or other uses;

(5) the need for industry-wide warranty and reliability standards for photovoltaic energy components and systems for private sector applications, and, if appropriate, the mechanisms for establishing such standards; and

(6) the attainability of the goals specified in section 5581(b) of this title, and any modification of such goals which the Secretary proposes for consideration by Congress, with supporting analyses.

(d) Consultation with government agencies, industry representatives, and scientific and technical community; coordination and merger of studies and reports

In carrying out his functions under this section, the Secretary shall consult with the appropriate government agencies, industry representatives, and members of the scientific and technical community having expertise and interest in this area. The Secretary also shall ensure that any study or report prepared pursuant to this section is fully coordinated with and reflective of any analyses or reports prepared pursuant to the requirements in section 5556a of this title, and in the President's Solar Energy Domestic Policy Review. The Secretary, as appropriate, may merge any continuing or on-going studies under section 5556a of this title or the Domestic Policy Review with those required by this section or avoid any unnecessary duplication of effort or funding. The separate report re-

quirements of section 5556a of this title and this section, however, shall remain in force.

(Pub. L. 95-590, § 10, Nov. 4, 1978, 92 Stat. 2519.)

§ 5590. Submittal to Congressional committees of plan for demonstrating applications of photovoltaic systems and facilitating use in other nations; encouragement of international participation and cooperation; coordination and consistency of plan and international activities with similar activities and programs

(a) Within one year after November 4, 1978, the Secretary, in consultation with the Secretary of State, the Administrator of the Agency for International Development, the Director of the Export/Import Bank and other appropriate Federal officials, shall submit to the House Committee on Science and Technology and the Senate Committee on Energy and Natural Resources a plan for demonstrating applications of solar photovoltaic energy systems and facilitating their widespread use in other nations, especially those with agreements for scientific cooperation with the United States.

(b) The Secretary is authorized to encourage, to the maximum extent practicable, international participation and cooperation in the development and maintenance of programs established under this plan. The Secretary, in consultation and cooperation with the Federal officials specified in subsection (a) of this section, shall insure to the maximum extent possible that the plan submitted under subsection (a) of this section and any other international activities under this section are consistent with and reflective of any similar activities or requirements under any other Federal statute, specifically including any of the several programs under other agencies and Departments involving United States international cooperation and assistance in nonnuclear energy technology, and will not duplicate activities under such programs. The plan required in subsection (a) of this section shall specifically identify all such programs and statutes and describe how the activities under this section will be consistent with such programs, will be coordinated with them, and will avoid duplication of activities under such programs.

(Pub. L. 95-590, § 11, Nov. 4, 1978, 92 Stat. 2520; Pub. L. 103-82, title IV, § 405(j), Sept. 21, 1993, 107 Stat. 922.)

AMENDMENTS

1993—Subsec. (a). Pub. L. 103-82 struck out “the Director of ACTION,” after “International Development,”.

CHANGE OF NAME

Committee on Science and Technology of House of Representatives changed to Committee on Science, Space, and Technology of House of Representatives by House Resolution No. 5, One Hundred Twelfth Congress, Jan. 5, 2011.

EFFECTIVE DATE OF 1993 AMENDMENT

Amendment by Pub. L. 103-82 effective Apr. 4, 1994, see section 406(b) of Pub. L. 103-82, set out as a note under section 8332 of Title 5, Government Organization and Employees.

§ 5591. Participation of small business concerns

In carrying out his functions under this subchapter, the Secretary shall take steps to assure that small-business concerns will have realistic and adequate opportunities to participate in the programs under this subchapter to the maximum extent practicable, and the Secretary is directed to set aside at least 10 per centum of the funds authorized and appropriated for the participation of small business concerns.

(Pub. L. 95-590, § 12, Nov. 4, 1978, 92 Stat. 2521.)

§ 5592. Priorities

The Secretary shall set priorities, as far as possible consistent with the intent and operation of this subchapter, in accordance with the following criteria:

(1) The applications utilizing photovoltaic systems which will be part of the research, development, and demonstration program and testing and demonstration programs referred to in sections 5583, 5584, 5585, and 5586 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 use of photovoltaic systems and of the applications themselves, in both rural and urban locations and under climatic conditions which vary as much as possible.

(2) The projected costs of commercial production and maintenance of the photovoltaic systems utilized in the testing and demonstration programs established under this subchapter should be taken into account.

(3) Encouragement should be given in the conduct of programs under this subchapter to those projects in which funds are appropriated by any State or political subdivision thereof for the purpose of sharing costs with the Federal Government for the purchase and installation of photovoltaic components and systems.

(Pub. L. 95-590, § 13, Nov. 4, 1978, 92 Stat. 2521.)

§ 5593. Construction with National Energy Conservation Policy Act

Nothing in this subchapter shall be construed to negate, duplicate, or otherwise affect the provisions of part C subchapter III of chapter 91 of this title, and such part C shall be exempted fully from the provisions of this subchapter and any regulations, guidelines, or criteria pursuant thereto.

(Pub. L. 95-590, § 14, Nov. 4, 1978, 92 Stat. 2521.)

REFERENCES IN TEXT

Part C (§8271 et seq.) of subchapter III of chapter 91 of this title, referred to in text, was in the original "title V (Federal Initiatives), part 4 (Federal Photovoltaic Utilization), National Energy Conservation Policy Act, H.R. 5037, 95th Congress, if and when that Act becomes enacted by the Ninety-fifth Congress". H.R. 5037 was enacted as Pub. L. 95-619, Nov. 9, 1978, 92 Stat. 3206, and is classified principally to chapter 91 (§8201 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 8201 of this title and Tables.

§ 5594. Authorization of appropriations

There is hereby authorized to be appropriated to the Secretary, for the fiscal year ending Sep-

tember 30, 1979, \$125,000,000, inclusive of any funds otherwise authorized for photovoltaic programs, (1) to carry out the functions vested in the Secretary by this subchapter, (2) to carry out the functions in fiscal year 1979, vested in the Secretary by part C of subchapter III of chapter 91 of this title, and (3) for transfer to such other agencies of the Federal Government as may be required to enable them to carry out their respective functions under this subchapter. Funds appropriated pursuant to this section shall remain available until expended: *Provided*, That any contract or agreement entered into pursuant to this subchapter shall be effective only to such extent or in such amounts as are provided in advance in appropriation Acts. Authorizations of appropriations for fiscal years after fiscal year 1979 shall be contained in the annual authorization for the Department of Energy, except for those funds authorized for fiscal years 1980 and 1981 contained in part C of subchapter III of chapter 91 of this title.

(Pub. L. 95-590, § 15, Nov. 4, 1978, 92 Stat. 2522.)

REFERENCES IN TEXT

Part C (§8271 et seq.) of subchapter III of chapter 91 of this title, referred to in text, was in the original "part 4 of title V of H.R. 5037, 95th Congress, if enacted by the 95th Congress". H.R. 5037 was enacted as Pub. L. 95-619, Nov. 9, 1978, 92 Stat. 3206, and is classified principally to chapter 91 (§8201 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 8201 of this title and Tables.

CHAPTER 72—JUVENILE JUSTICE AND DELINQUENCY PREVENTION

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PART D—RESEARCH; EVALUATION; TECHNICAL ASSISTANCE; TRAINING

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