

(7) an aggressive research, development and demonstration program to accelerate widespread utilization of wind energy should solve existing technical problems of converting wind energy into electricity and mechanical energy and, supported by an assured and growing market for wind energy systems during the next decade, should maximize the future contribution of wind energy to the Nation's future energy production;

(8) it is the proper and appropriate role of the Federal Government to undertake research and development, to participate in demonstration programs for wind energy systems, and to assist private industry, other entities, and the general public in hastening the widespread utilization of such systems;

(9) the widespread use of wind energy systems to supplement and replace conventional methods for the generation of electricity and mechanical power would have a beneficial effect upon the environment;

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

(11) innovation and creativity in the development of components and systems for converting wind energy into electricity and mechanical energy can be fostered through encouraging direct contact between the manufacturers of such components and systems and utilities and other persons interested in utilizing such components and systems; and

(12) consistent with the findings of the Domestic Policy Review on Solar Energy, wind energy can potentially contribute 1.7 quads of energy per year by the year 2000.

(b) It is declared to be the policy of the United States and the purpose of this chapter to establish during the next eight years an aggressive research, development, demonstration, and technology applications program for converting wind energy into electricity and mechanical energy. It is declared to be the further policy of the United States and the purpose of this chapter that the objectives of such program are—

(1) to reduce the average cost of electricity produced by installed wind energy systems, by the end of fiscal year 1988, to a level competitive with conventional energy sources;

(2) to reach a total megawatt capacity in the United States from wind energy systems, by the end of fiscal year 1988, of at least eight hundred megawatts, of which at least one hundred megawatts are provided by small wind energy systems; and

(3) to accelerate the growth of a commercially viable and competitive industry to make wind energy systems available to the general public as an option in order to reduce national consumption of fossil fuel.

(Pub. L. 96-345, § 2, Sept. 8, 1980, 94 Stat. 1139.)

SHORT TITLE

Pub. L. 96-345, § 1, Sept. 8, 1980, 94 Stat. 1139, provided: "That this Act [enacting this chapter] may be cited as the 'Wind Energy Systems Act of 1980'."

§ 9202. Definitions

For purposes of this chapter—

(1) the term "wind energy system" means a system of components which converts the kinetic energy of the wind into electricity or mechanical power, and which comprises all necessary components, including energy storage, power conditioning, control systems, and transmission systems, where appropriate, to provide electricity or mechanical power for individual, residential, agricultural, commercial, industrial, utility, or governmental use;

(2) the term "small wind energy system" means a wind energy system having a maximum rated capacity of one hundred kilowatts or less;

(3) the term "large wind energy system" means a wind energy system which is not a small wind energy system;

(4) the term "public and private entity" means any individual, corporation, partnership, firm, association, agricultural cooperative, public- or investor-owned utility, public or private institution or group, any State or local government agency, or any other domestic entity;

(5) the term "known wind resource" means a site with an estimated average annual wind velocity of at least twelve miles per hour;

(6) the term "conventional energy source" means energy produced from oil, gas, coal, and nuclear fuels; and

(7) the term "Secretary" means the Secretary of Energy.

(Pub. L. 96-345, § 3, Sept. 8, 1980, 94 Stat. 1140.)

§ 9203. Comprehensive program management plan

(a) Program activities and periods; consultations with heads of Federal agencies and non-Federal organizations

The Secretary shall prepare a comprehensive program management plan for the research, development, demonstration, and technology application activities to carry out the purposes of this chapter. The program activities shall be conducted in accordance with such comprehensive plan which shall include—

(1) a five-year program for small wind energy systems,

(2) an eight-year program for large wind energy systems, and

(3) a three-year program for wind resource assessment¹

which shall be consistent with the provisions of sections 9204, 9205, and 9206 of this title. In the preparation of such plan, the Secretary shall consult with the Administrator of the National Aeronautics and Space Administration, the Secretary of the Interior, and the heads of such other Federal agencies and such public and private organizations as he deems appropriate.

(b) Initial transmittal to Congressional committees

The Secretary shall transmit the comprehensive program management plan to the Committee on Science and Technology of the House of Representatives and the Committee on Energy and Natural Resources of the Senate within nine months after September 8, 1980.

¹ So in original. Probably should be followed by a comma.

(c) Subsequent transmittals to Congress; descriptive statement; current plan, changes, justification for changes, progress, interagency cooperation, and recommendations for achievement of goals

Concurrently with the submission of the President's annual budget to the Congress for each year after the year in which the comprehensive plan is initially transmitted under subsection (b) of this section, the Secretary shall transmit to the Congress a detailed description of the comprehensive plan as then in effect, setting forth the modifications which may be necessary to appropriately revise such plan and any changes in circumstances which may have occurred since the plan or the last previous modification thereof was transmitted in accordance with this section. The detailed description of the comprehensive plan under this subsection shall include but need not be limited to a statement setting forth with respect to each of the programs under this chapter any changes in—

- (1) the anticipated research, development, demonstration, and technology application objectives to be achieved by the program;
- (2) the program elements, management structure, and activities, including any regional aspects and field responsibilities thereof;
- (3) the program strategies and technology applications plans, including detailed milestone goals to be achieved during the next fiscal year for all major activities and projects;
- (4) any significant economic, environmental, and societal effects which the program may have;
- (5) the total estimated cost of individual program items; and
- (6) the estimated relative financial contributions of the Federal Government and non-Federal participants in the program.

Such description shall also include a detailed justification of any such changes, a detailed description of the progress made toward achieving the goals of this chapter, a statement on the status of interagency cooperation in meeting such goals, and any legislative or other recommendations which the Secretary may have to help attain such goals.

(Pub. L. 96-345, § 4, Sept. 8, 1980, 94 Stat. 1141.)

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.

TERMINATION OF REPORTING REQUIREMENTS

For termination, effective May 15, 2000, of provisions of law requiring submittal to Congress of any annual, semiannual, or other regular periodic report listed in House Document No. 103-7 (in which a report required under subsec. (c) of this section is listed as the 6th item on page 87), see section 3003 of Pub. L. 104-66, as amended, and section 1(a)(4) [div. A, § 1402(1)] of Pub. L. 106-554, set out as notes under section 1113 of Title 31, Money and Finance.

§ 9204. Research, development, and demonstration

(a) Areas of knowledge limiting system utilization

The Secretary shall initiate research and development or accelerate existing research and development in areas in which the lack of knowledge limits the widespread utilization of wind energy systems in order to achieve the purposes of this chapter.

(b) Development of system prototypes and improvements

(1) The Secretary shall continue an aggressive program for the development of prototypes of advanced wind energy systems.

(2) As often as he deems appropriate, the Secretary shall solicit and evaluate proposals for the research and development of any new or improved technologies, which, in the Secretary's opinion, will contribute to the development of improvements in current wind energy systems.

(c) Acquisition of economic, scientific, and technological information of system operations under various circumstances and conditions

The Secretary is authorized to enter into contracts, grants, and cooperative agreements with public and private entities for the purchase, fabrication, installation, and testing to obtain scientific, technological, and economic information from the demonstration of a variety of prototypes of advanced wind energy systems under a variety of circumstances and conditions.

(d) Other provisions inapplicable

In carrying out the responsibilities under this section, the Secretary is not subject to the requirements of section 553 of title 5 or section 7191 of this title.

(Pub. L. 96-345, § 5, Sept. 8, 1980, 94 Stat. 1141.)

§ 9205. Technology application programs

(a) Unit, operating, and maintenance costs

The Secretary shall establish a technology application program for wind energy systems to achieve the purposes of this chapter by reduction in unit costs of wind energy systems through mass production and by determination of operating and maintenance costs through broad operational systems experience.

(b) Proposals for Federal assistance

In achieving the objectives of this section, the Secretary shall solicit and evaluate proposals for Federal assistance pursuant to paragraphs (1), (2), and (3) of subsection (c) of this section for investigating, purchasing, and installing such wind energy systems from public or private entities wishing to utilize wind energy systems.

(c) Forms of Federal assistance

In achieving the objectives of this section, the Secretary is authorized to use various forms of Federal assistance including, but not limited to—

- (1) contracts and cooperative agreements;
- (2) grants;
- (3) loans; and
- (4) direct Federal procurement.

(d) Quantity production and utilization

In carrying out his duties under this chapter, the Secretary is authorized to enter into such