

Sec.	
5903d.	Clean coal technology projects; proposals, implementation, funding, etc.
5904.	Research, development, and demonstration program governing principles.
5905.	Comprehensive planning and programming.
5906.	Federal assistance and participation in programs.
5907.	Demonstration projects.
5907a.	Small grant program.
5908.	Patents and inventions.
5909.	Relationship to antitrust laws.
5910.	Repealed.
5911.	Acquisition of essential materials.
5912.	Water resource assessments.
5913.	Evaluation by National Institute of Standards and Technology of energy-related inventions prior to awarding of grants by Secretary; promulgation of regulations.
5914.	Omitted.
5915.	Authorization of appropriations.
5915a.	Expiration of initial authorization to construct fossil energy demonstration plants.
5916.	Central source of nonnuclear energy information.
5917 to 5920.	Repealed.

### § 5901. Congressional statement of findings

The Congress hereby finds that—

(a) The Nation is suffering from a shortage of environmentally acceptable forms of energy.

(b) Compounding this energy shortage is our past and present failure to formulate a comprehensive and aggressive research and development program designed to make available to American consumers our large domestic energy reserves including fossil fuels, nuclear fuels, geothermal resources, solar energy, and other forms of energy. This failure is partially because the unconventional energy technologies have not been judged to be economically competitive with traditional energy technologies.

(c) The urgency of the Nation's energy challenge will require commitments similar to those undertaken in the Manhattan and Apollo projects; it will require that the Nation undertake a research, development, and demonstration program in nonnuclear energy technologies with a total Federal investment which may reach or exceed \$20,000,000,000 over the next decade.

(d) In undertaking such program, full advantage must be taken of the existing technical and managerial expertise in the various energy fields within Federal agencies and particularly in the private sector.

(e) The Nation's future energy needs can be met if a national commitment is made now to dedicate the necessary financial resources, to enlist our scientific and technological capabilities, and to accord the proper priority to developing new nonnuclear energy options to serve national needs, conserve vital resources, and protect the environment.

(Pub. L. 93-577, § 2, Dec. 31, 1974, 88 Stat. 1879.)

#### SHORT TITLE

Pub. L. 93-577, § 1(a), as added Pub. L. 109-58, title X, § 1009(b)(1), Aug. 8, 2005, 119 Stat. 934, provided that: "This Act [enacting this chapter] may be cited as the 'Federal Nonnuclear Energy Research and Development Act of 1974'."

#### DEFINITIONS

Pub. L. 93-577, § 1(b), as added Pub. L. 109-58, title X, § 1009(b)(1), Aug. 8, 2005, 119 Stat. 934, provided that: "In this Act [enacting this chapter]:

"(1) The term 'Department' means the Department of Energy.

"(2) The term 'Secretary' means the Secretary of Energy."

### § 5902. Congressional declaration of policy and purpose; implementation and administration of program by Secretary of Energy

(a) It is the policy of the Congress to develop on an urgent basis the technological capabilities to support the broadest range of energy policy options through conservation and use of domestic resources by socially and environmentally acceptable means.

(b)(1) The Congress declares the purpose of this chapter to be to establish and vigorously conduct a comprehensive, national program of basic and applied research and development, including but not limited to demonstrations of practical applications, of all potentially beneficial energy sources and utilization technologies, within the Department.

(2) In carrying out this program, the Secretary shall be governed by the terms of this chapter and other applicable provisions of law with respect to all nonnuclear aspects of the research, development, and demonstration program; and the policies and provisions of the Atomic Energy Act of 1954 [42 U.S.C. 2011 et seq.], and other provisions of law shall continue to apply to the nuclear research, development, and demonstration program.

(3) In implementing and conducting the research, development, and demonstration programs pursuant to this chapter, the Secretary shall incorporate programs in specific nonnuclear technologies previously enacted into law, including those established by the Solar Heating and Cooling Demonstration Act of 1974 (Public Law 93-409) [42 U.S.C. 5501 et seq.], the Geothermal Energy Research, Development, and Demonstration Act of 1974 (Public Law 93-410) [30 U.S.C. 1101 et seq.], and the Solar Energy Research, Development, and Demonstration Act of 1974 (Public Law 93-473) [42 U.S.C. 5551 et seq.]

(Pub. L. 93-577, § 3, Dec. 31, 1974, 88 Stat. 1879; Pub. L. 109-58, title X, § 1009(b)(2), Aug. 8, 2005, 119 Stat. 934.)

#### REFERENCES IN TEXT

The Atomic Energy Act of 1954, referred to in subsec. (b)(2), is act Aug. 1, 1946, ch. 724, as added by act Aug. 30, 1954, ch. 1073, § 1, 68 Stat. 919, which is classified principally to chapter 23 (§ 2011 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 2011 of this title and Tables.

The Solar Heating and Cooling Demonstration Act of 1974, referred to in subsec. (b)(3), is Pub. L. 93-409, Sept. 3, 1974, 88 Stat. 1069, as amended, which is classified generally to subchapter I (§ 5501 et seq.) of chapter 71 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 5501 of this title and Tables.

The Geothermal Energy Research, Development, and Demonstration Act of 1974, referred to in subsec. (b)(3), is Pub. L. 93-410, Sept. 3, 1974, 88 Stat. 1079, as amended, which is classified generally to chapter 24 (§ 1101 et seq.) of title 30, Mineral Lands and Mining. For complete classification of this Act to the Code, see Short Title note set out under section 1101 of Title 30 and Tables.

The Solar Energy Research, Development, and Demonstration Act of 1974, referred to in subsec. (b)(3), is

Pub. L. 93-473, Oct. 26, 1974, 88 Stat. 1431, as amended, which is classified generally to subchapter II (§551 et seq.) of chapter 71 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 5501 of this title and Tables.

#### AMENDMENTS

2005—Subsec. (b)(1). Pub. L. 109-58, §1009(b)(2)(A), substituted “Department” for “Energy Research and Development Administration”.

Subsec. (b)(2). Pub. L. 109-58, §1009(b)(2)(B), substituted “Secretary” for “Administrator of the Energy Research and Development Administration (hereinafter in this chapter referred to as the ‘Administrator’)”.

Subsec. (b)(3). Pub. L. 109-58, §1009(b)(2)(C), substituted “Secretary” for “Administrator” and inserted “Demonstration” after “Cooling”.

### § 5903. Duties and authorities of the Secretary

The Secretary shall—

(a) review the current status of nonnuclear energy resources and current nonnuclear energy research and development activities, including research and development being conducted by Federal and non-Federal entities;

(b) formulate and carry out a comprehensive Federal nonnuclear energy research, development, and demonstration program which will expeditiously advance the policies established by this chapter and other relevant legislation establishing programs in specific energy technologies;

(c) utilize the funds authorized pursuant to this chapter to advance energy research and development by initiating and maintaining, through fund transfers, grants, or contracts, energy research, development and demonstration programs or activities utilizing the facilities, capabilities, expertise, and experience of Federal agencies, national laboratories, universities, nonprofit organizations, industrial entities, and other non-Federal entities which are appropriate to each type of research, development, and demonstration activity;

(d) establish procedures for periodic consultation with representatives of science, industry, environmental organizations, consumers, and other groups who have special expertise in the areas of energy research, development, and technology; and

(e) initiate programs to design, construct, and operate energy facilities of sufficient size to demonstrate the technical and economic feasibility of utilizing various forms of nonnuclear energy.

(Pub. L. 93-577, §4, Dec. 31, 1974, 88 Stat. 1880; Pub. L. 109-58, title X, §1009(b)(3), Aug. 8, 2005, 119 Stat. 934.)

#### AMENDMENTS

2005—Pub. L. 109-58 added section catchline, struck out former catchline, and substituted “Secretary” for “Administrator” in introductory provisions.

#### CLASSIFICATION OF RECIPIENTS OF AWARDS, CONTRACTS, OR OTHER FINANCIAL ARRANGEMENTS; REPORTING REQUIREMENT

Pub. L. 95-39, title I, §111, June 3, 1977, 91 Stat. 186, provided that:

“(a) The Administrator [now Secretary of Energy] shall classify each recipient of any award, contract, or other financial arrangement in any nonnuclear research, development, or demonstration category as—

“(1) a Federal agency,

“(2) a non-Federal governmental entity,

“(3) a profitmaking enterprise (indicating whether or not it is a small business concern),

“(4) a nonprofit enterprise other than an educational institution, or

“(5) a nonprofit educational institution.

“(b) The information required by subsection (a), along with the dollar amount of each award, contract, or other financial arrangement made, shall be included as an appendix to the annual report required by section 15(a) of the Federal Nonnuclear Energy Research and Development Act of 1974 ([former] 42 U.S.C. 5914): *Provided*, That small purchases or contracts of less than \$10,000, which are excepted from the requirements of advertising by section 252(c)(3) of [former] title 41, United States Code, shall be exempt from the reporting requirements of this section.”

### § 5903a. Nonduplication of programs, projects, and research facilities

The Secretary shall coordinate nonnuclear programs of the Department of Energy with the heads of relevant Federal agencies in order to minimize unnecessary duplication of programs, projects, and research facilities.

(Pub. L. 94-187, title III, §309, Dec. 31, 1975, 89 Stat. 1074; Pub. L. 95-91, title III, §301(a), title VII, §§703, 707, Aug. 4, 1977, 91 Stat. 577, 606, 607.)

#### CODIFICATION

Section was not enacted as a part of the Federal Nonnuclear Energy Research and Development Act of 1974 which comprises this chapter.

#### TRANSFER OF FUNCTIONS

“Secretary”, meaning Secretary of Energy, substituted in text for “Administrator”, meaning Administrator of Energy Research and Development Administration, and “Department of Energy” substituted in text for “Administration” 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.

### § 5903b. Environmental and safety research, development, and demonstration program

The Secretary shall conduct an environmental and safety research, development, and demonstration program related to fossil fuels.

(Pub. L. 94-187, title III, §316, Dec. 31, 1975, 89 Stat. 1077; Pub. L. 95-91, title III, §301(a), title VII, §§703, 707, Aug. 4, 1977, 91 Stat. 577, 606, 607.)

#### CODIFICATION

Section was not enacted as a part of the Federal Nonnuclear Energy Research and Development Act of 1974 which comprises this chapter.

#### TRANSFER OF FUNCTIONS

“Secretary”, meaning Secretary of Energy, substituted in text for “Administrator”, meaning Administrator of Energy Research and Development Administration, 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.