

**(c) Proposed competitive systems of price supports for demonstration facilities; guidelines**

Competitive systems of price supports proposed for congressional authorization pursuant to this chapter shall conform to the following guidelines:

(1) The Secretary shall determine the types and capacities of the desired full-scale, commercial-size facility or other operation which would demonstrate the technical, environmental, and economic feasibility of a particular nonnuclear energy technology.

(2) The Secretary may award planning grants for the purpose of financing a study of the full cycle economic and environmental costs associated with the demonstration facility selected pursuant to paragraph (1) of this subsection. Such planning grants may be awarded to Federal and non-Federal entities including, but not limited to, industrial entities, universities, and nonprofit organizations. Such planning grants may also be used by the grantee to prepare a detailed and comprehensive bid to construct the demonstration facility.

(3) Following the completion of the studies pursuant to the planning grants awarded under paragraph (2) of this subsection regarding each such potential price supported demonstration facility for which the Secretary intends to request congressional authorization, he shall invite bids from all interested parties to determine the minimum amount of Federal price support needed to construct the demonstration facility. The Secretary may designate one or more competing entities, each to construct one commercial demonstration facility. Such designation shall be made on the basis of those entities, (A) commitment to construct the demonstration facility at the minimum level of Federal price supports, (B) detailed plan of environmental protection, and (C) proposed design and operation of the demonstration facility.

(4) The construction plans and actual construction of the demonstration facility, together with all related facilities, shall be monitored by the Environmental Protection Agency. If additional environmental requirements are imposed by the Secretary after the designation of the successful bidders and if such additional environmental requirements result in additional costs, the Secretary is authorized to renegotiate the support price to cover such additional costs.

(5) The estimated amount of the Federal price support for a demonstration facility's product over the life of such facility shall be determined by the Secretary to facilitate a single congressional authorization of the full amount of such support at the time of the designation of the successful bidders.

(6) No price support program shall be implemented unless previously authorized by specific legislation enacted by the Congress.

**(d) Support for joint university-industry research efforts**

Nothing in this section shall preclude Federal participation in, and support for, joint university-industry nonnuclear energy research efforts.

(Pub. L. 93-577, §7, Dec. 31, 1974, 88 Stat. 1883; Pub. L. 95-238, title II, §207(a), Feb. 25, 1978, 92 Stat. 61; Pub. L. 99-386, title I, §104(a), Aug. 22, 1986, 100 Stat. 821; Pub. L. 109-58, title X, §1009(b)(5), Aug. 8, 2005, 119 Stat. 935.)

## CODIFICATION

Section 5919 of this title, referred to in subsec. (a)(7), was in the original "section 19" and has been editorially translated as section 5919 of this title which related to loan guarantees prior to repeal by Pub. L. 109-58, title X, §1009(b)(12), Aug. 8, 2005, 119 Stat. 936, to reflect the probable intent of Congress, notwithstanding enactment of another section 19 which was classified to section 5918 of this title and related to organizational conflicts prior to repeal by Pub. L. 104-106, div. D, title XLIII, §4304(b)(5), Feb. 10, 1996, 110 Stat. 664.

## AMENDMENTS

2005—Subsec. (a). Pub. L. 109-58, §1009(b)(5)(A), substituted "Secretary" for "Administrator" in introductory provisions.

Subsec. (a)(4). Pub. L. 109-58, §1009(b)(5)(B), substituted "of this section" for "of the section".

Subsecs. (b), (c). Pub. L. 109-58, §1009(b)(5)(A), substituted "Secretary" for "Administrator" wherever appearing.

1986—Subsec. (b)(7). Pub. L. 99-386 struck out subpar. (A) which related to submission of a report by Secretary to House and Senate, prior to establishment of any joint Federal-industry corporation pursuant to this chapter, setting forth in detail consistency of establishment of corporation with this section and section 5904 of this title, and proposed purpose and activities of corporation, and struck out subpar. (B) designation.

1978—Subsec. (a)(7). Pub. L. 95-238 added par. (7).

NONAPPLICABILITY OF TITLE II OF PUB. L. 95-238 TO ANY AUTHORIZATION OR APPROPRIATION FOR MILITARY APPLICATION OF NUCLEAR ENERGY, ETC.; DEFINITIONS

Nonapplicability of provisions of title II of Pub. L. 95-238 with respect to any authorization or appropriation for any military application of nuclear energy, etc., see section 209 of Pub. L. 95-238, set out as a note under section 5821 of this title.

PRICE-SUPPORT PROGRAM TO DEMONSTRATE MUNICIPAL SOLID WASTE REPROCESSING FOR PRODUCTION OF FUELS AND ENERGY INTENSIVE PRODUCTS

Pub. L. 95-39, title I, §107, June 3, 1977, 91 Stat. 185, authorized Administrator, subject to the appropriation of funds pursuant to section 101(7)(I) of Pub. L. 95-39, to establish and implement, under subsection (a)(4) of this section and in accordance with subsection (c) of this section, a price-support program to demonstrate municipal solid waste reprocessing for production of fuels and energy intensive products, with Administrator, prior to entering into any contract for such demonstration, to submit to Congress a full and complete report on the proposed commercial demonstration facility and the necessary project demonstration guarantees, and provided that such contract could not be finalized prior to the expiration of ninety calendar days (not including any day on which either House of Congress was not in session because of an adjournment of more than three calendar days to a day certain) from the date on which such report was received.

**§ 5907. Demonstration projects****(a) Scope of authority of Secretary**

The Secretary is authorized to—

(1) identify opportunities to accelerate the commercial applications of new energy technologies, and provide Federal assistance for or participation in demonstration projects (in-

cluding pilot plants demonstrating technological advances and field demonstrations of new methods and procedures, and demonstrations of prototype commercial applications for the exploration, development, production, transportation, conversion, and utilization of energy resources); and

(2) enter into cooperative agreements with non-Federal entities to demonstrate the technical feasibility and economic potential of energy technologies on a prototype or full-scale basis.

**(b) Criteria applicable in reviewing potential projects**

In reviewing potential projects, the Secretary shall consider criteria including but not limited to—

(1) the anticipated, research, development, and application objectives to be achieved by the activities or facilities proposed;

(2) the economic, environmental, and societal significance which a successful demonstration may have for the national fuels and energy system;

(3) the relationship of the proposal to the criteria of priority set forth in section 5904(b)(2) of this title;

(4) the availability of non-Federal participants to construct and operate the facilities or perform the activities associated with the proposal and to contribute to the financing of the proposal;

(5) the total estimated cost including the Federal investment and the probable time schedule;

(6) the proposed participants and the proposed financial contributions of the Federal Government and of the non-Federal participants; and

(7) the proposed cooperative arrangement, agreements among the participants, and form of management of the activities.

**(c) Federal and non-Federal share of costs**

(1) A financial award under this section may be made only to the extent of the Federal share of the estimated total design and construction costs, plus operation and maintenance costs.

(2) For the purposes of this chapter the non-Federal share may be in any form, including, but not limited to, lands or interests therein needed for the project or personal property or services, the value of which shall be determined by the Secretary.

**(d) Regulations**

(1) The Administrator of the Energy Research and Development Administration shall, within six months of December 31, 1974, promulgate regulations establishing procedures for submission of proposals to the Energy Research and Development Administration for the purposes of this chapter. Such regulations shall establish a procedure for selection of proposals which—

(A) provides that projects will be carried out under such conditions and varying circumstances as will assist in solving energy extraction, transportation, conversion, conservation, and end-use problems of various areas and regions, under representative geological, geographic, and environmental conditions; and

(B) provides time schedules for submission of, and action on, proposal requests for the purposes of implementing the goals and objectives of this chapter.

(2) Such regulations also shall specify the types and form of the information, data, and support documentation that are to be contained in proposals for each form of Federal assistance or participation set forth in section 5906(a) of this title: *Provided*, That such proposals to the extent possible shall include, but not be limited to—

(A) specification of the technology;

(B) description of prior pilot plant operating experience with the technology;

(C) preliminary design of the demonstration plant;

(D) time tables containing proposed construction and operation plans;

(E) budget-type estimates of construction and operating costs;

(F) description and proof of title to land for proposed site, natural resources, electricity and water supply and logistical information related to access to raw materials to construct and operate the plant and to dispose of salable products produced from the plant;

(G) analysis of the environmental impact of the proposed plant and plans for disposal of wastes resulting from the operation of the plant;

(H) plans for commercial use of the technology if the demonstration is successful;

(I) plans for continued use of the plant if the demonstration is successful; and

(J) plans for dismantling of the plant if the demonstration is unsuccessful or otherwise abandoned.

(3) The Secretary shall from time to time review and, as appropriate, modify and repromulgate regulations issued pursuant to this section.

**(e) Amount of estimate of Federal investment requiring Congressional authorization for appropriation**

If the estimate of the Federal investment with respect to construction costs of any demonstration project proposed to be established under this section exceeds \$50,000,000, no amount may be appropriated for such project except as specifically authorized by legislation hereafter enacted by the Congress.

**(f) Amount of estimated Federal contribution; necessity for report**

If the total estimated amount of the Federal contribution to the construction cost of a demonstration project does not exceed \$50,000,000, the Secretary is authorized to proceed with the negotiation of agreements and implementation of the proposal subject to the availability of funds under the authorization of appropriations pursuant to section 5915 of this title: *Provided*, That if such Federal contribution to the construction cost is estimated to exceed \$25,000,000 the Secretary shall provide a full and comprehensive report on the proposed demonstration project to the appropriate committees of the Congress and no funds may be expended for any agreement under the authority granted by this section prior to the expiration of sixty calendar

days (not including any day on which either House of Congress is not in session because of an adjournment of more than three calendar days to a day certain) from the date on which the Secretary's report on the proposed project is received by the Congress. Such reports shall contain an analysis of the extent to which the proposed demonstration satisfies the criteria specified in subsection (b) of this section.

(Pub. L. 93-577, §8, Dec. 31, 1974, 88 Stat. 1886; Pub. L. 109-58, title X, §1009(b)(6), Aug. 8, 2005, 119 Stat. 935.)

#### AMENDMENTS

2005—Subsecs. (a), (b), (c)(2). Pub. L. 109-58, §1009(b)(6)(A), substituted “Secretary” for “Administrator” in introductory provisions of subsecs. (a) and (b) and in par. (2) of subsec. (c).

Subsec. (d)(1). Pub. L. 109-58, §1009(b)(6)(B)(i), substituted “Administrator of the Energy Research and Development Administration” for “Administrator” in introductory provisions.

Subsec. (d)(3). Pub. L. 109-58, §1009(b)(6)(B)(ii), substituted “Secretary” for “Administrator”.

Subsec. (f). Pub. L. 109-58, §1009(b)(6)(C), substituted “Secretary” for “Administrator” in two places and “Secretary’s” for “Administrator’s”.

#### TRANSFER OF FUNCTIONS

The Energy Research and Development Administration, referred to in subsec. (d)(1), was terminated and all of its functions and the functions of its Administrator were transferred (with certain exceptions) to the Secretary of Energy. See sections 301(a), 703, and 707 of Pub. L. 95-91, which are classified to sections 7151(a), 7293, and 7297 of this title.

#### REPORT TO CONGRESS ON ENVIRONMENTAL, MONITORING, ASSESSMENT, AND CONTROL EFFORTS REQUIRED FOR DEMONSTRATION PROJECTS; SUBMISSION TO CONGRESS BY DECEMBER 3, 1977

Pub. L. 95-39, title I, §113, June 3, 1977, 91 Stat. 187, directed Administrator of Energy Research and Development Administration, in consultation with Administrator of Environmental Protection Agency, to submit a report to Congress six months after June 3, 1977, on the environmental monitoring, assessment, and control efforts, relating to environment, safety, and health, which are required to successfully demonstrate any project which is subject to subsecs. (e) and (f) of this section and is authorized by this Act or any prior Act.

### § 5907a. Small grant program

#### (a) Establishment

There shall be established within the Department of Energy a program for appropriate technology under the direction of the Secretary. The Secretary shall develop and implement a program of small grants for the purpose of encouraging development and demonstration projects described in subsection (c) of this section.

#### (b) Limitation

The aggregate amount of financial support made available to any participant in such program, including affiliates, under this section shall not exceed \$50,000 during any two-year period.

#### (c) Systems and technologies to be developed and demonstrated

Funds made available under this section shall be used to provide for a coordinated and expanded effort for the development and dem-

onstration of, and the dissemination of information with respect to, energy-related systems and supporting technologies appropriate to—

(1) the needs of local communities and the enhancement of community self-reliance through the use of available resources;

(2) the use of renewable resources and the conservation of nonrenewable resources;

(3) the use of existing technologies applied to novel situations and uses;

(4) applications which are energy-conserving, environmentally sound, small scale, durable and low cost; and

(5) applications which demonstrate simplicity of installation, operation and maintenance.

#### (d) Eligible participants; simplified application procedures; report to Secretary; allocation criteria; guidelines

(1) Grants, agreements or contracts under this section may be made to individuals, local non-profit organizations and institutions, State and local agencies, Indian tribes and small businesses. The Secretary shall develop simplified procedures with respect to application for support under this section.

(2) Each grant, agreement or contract under this section shall be governed by the provisions of section 9 of the Federal Nonnuclear Energy Research and Development Act of 1974 [42 U.S.C. 5908] and shall contain effective provisions under which the Secretary shall receive a full written report of activities supported in whole or in part by funds made available by the Secretary; and

(3) In determining the allocation of funds among applicants for support under this section the Secretary may take into consideration:

(A) the potential for energy savings or energy production;

(B) the type of fuel saved or produced;

(C) the potential impact on local or regional energy or environmental problems; and

(D) such other criteria as the Secretary finds necessary to achieve the purposes of this Act or the purposes of the Federal Nonnuclear Energy Research and Development Act of 1974 [42 U.S.C. 5901 et seq.].

Guidelines implementing this section shall be promulgated with full opportunity for public comment.

#### (e) Reports to Congress

The Secretary shall—

(1) prepare and submit no later than October 1, 1977, a detailed report on plans for implementation, including the timing of implementation, of the provisions of this section to the Committee on Energy and Natural Resources of the Senate and the Committee on Science and Technology of the House of Representatives and shall keep such committees fully and currently informed concerning the development of such plans; and

(2) include as a part of the annual report required by section 15(a)(1)<sup>1</sup> of the Federal Nonnuclear Energy Research and Development Act of 1974 beginning in 1977, a full and com-

<sup>1</sup> See References in Text note below.