

under each such Act. An objective of any demonstration program under this Act shall be to determine the technical and commercial feasibility of energy technologies.

(2) Except as otherwise provided in this Act, in carrying out research, development, and demonstration programs and activities under this Act, the Secretary may use, to the extent authorized under applicable provisions of law, contracts, cooperative agreements, cooperative research and development agreements under the Stevenson-Wydler Technology Innovation Act of 1980 [15 U.S.C. 3701 et seq.], grants, joint ventures, and any other form of agreement available to the Secretary.

**(b) Commercial application**

Except as otherwise provided in this Act, in carrying out commercial application programs and commercial application activities under this Act, the Secretary may use, to the extent authorized under applicable provisions of law, contracts, cooperative agreements, cooperative research and development agreements under the Stevenson-Wydler Technology Innovation Act of 1980 [15 U.S.C. 3701 et seq.], grants, joint ventures, and any other form of agreement available to the Secretary. An objective of any commercial application program under this Act shall be to accelerate the transition of technologies from the research and development stage.

**(c) “Joint venture” defined**

For purposes of this section, the term “joint venture” has the meaning given the term “joint research and development venture” under section 4301(a)(6) and (b) of title 15, except that such term may apply under this section to research, development, demonstration, and commercial application joint ventures.

**(d) Protection of information**

Section 12(c)(7) of the Stevenson-Wydler Technology Innovation Act of 1980 [15 U.S.C. 3710a(c)(7)], relating to the protection of information, shall apply to research, development, demonstration, and commercial application programs and activities under this Act.

**(e) Guidelines and procedures**

The Secretary shall provide guidelines and procedures for the transition, where appropriate, of energy technologies from research through development and demonstration under subsection (a) to commercial application under subsection (b). Nothing in this section shall preclude the Secretary from—

(1) entering into a contract, cooperative agreement, cooperative research and development agreement under the Stevenson-Wydler Technology Innovation Act of 1980 [15 U.S.C. 3701 et seq.], grant, joint venture, or any other form of agreement available to the Secretary under this section that relates to research, development, demonstration, and commercial application; or

(2) extending a contract, cooperative agreement, cooperative research and development agreement under the Stevenson-Wydler Technology Innovation Act of 1980, grant, joint venture, or any other form of agreement avail-

able to the Secretary that relates to research, development, and demonstration to cover commercial application.

**(f) Application of section**

This section shall not apply to any contract, cooperative agreement, cooperative research and development agreement under the Stevenson-Wydler Technology Innovation Act of 1980 [15 U.S.C. 3701 et seq.], grant, joint venture, or any other form of agreement available to the Secretary that is in effect as of October 24, 1992.

(Pub. L. 102-486, title XXX, §3001, Oct. 24, 1992, 106 Stat. 3126.)

REFERENCES IN TEXT

This Act, referred to in subsections (a), (b), and (d), is Pub. L. 102-486, Oct. 24, 1992, 106 Stat. 2776, known as the Energy Policy Act of 1992. For complete classification of this Act to the Code, see Short Title note set out under section 13201 of this title and Tables.

The Federal Nonnuclear Research and Development Act of 1974, referred to in subsec. (a)(1), probably means the Federal Nonnuclear Energy Research and Development Act of 1974, Pub. L. 93-577, Dec. 31, 1974, 88 Stat. 1878, as amended, which is classified generally to chapter 74 (§5901 et seq.) of this title. For complete classification of this Act to the Code, see Short Title note set out under section 5901 of this title and Tables.

The Atomic Energy Act of 1954, referred to in subsec. (a)(1), 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 Stevenson-Wydler Technology Innovation Act of 1980, referred to in subsections (a)(2), (b), (e)(1), (2), and (f), is Pub. L. 96-480, Oct. 21, 1980, 94 Stat. 2311, as amended, which is classified generally to chapter 63 (§3701 et seq.) of Title 15, Commerce and Trade. For complete classification of this Act to the Code, see Short Title note set out under section 3701 of Title 15 and Tables.

**§ 13542. Cost sharing**

**(a) Research and development**

Except as otherwise provided in this Act, for research and development programs carried out under this Act, the Secretary shall require a commitment from non-Federal sources of at least 20 percent of the cost of the project. The Secretary may reduce or eliminate the non-Federal requirement under this subsection if the Secretary determines that the research and development is of a basic or fundamental nature.

**(b) Demonstration and commercial application**

Except as otherwise provided in this Act, the Secretary shall require at least 50 percent of the costs directly and specifically related to any demonstration or commercial application project under this Act to be provided from non-Federal sources. The Secretary may reduce the non-Federal requirement under this subsection if the Secretary determines that the reduction is necessary and appropriate considering the technological risks involved in the project and is necessary to meet the objectives of this Act.

**(c) Calculation of amount**

In calculating the amount of the non-Federal commitment under paragraph (1) or (2), the Secretary shall include cash, personnel, services, equipment, and other resources.

**(d) Tennessee Valley Authority**

Funds derived by the Tennessee Valley Authority from its power program may be used for all or part of any cost sharing requirements under this section, except to the extent that such funds are provided by annual appropriation Acts.

(Pub. L. 102-486, title XXX, §3002, Oct. 24, 1992, 106 Stat. 3127.)

REFERENCES IN TEXT

This Act, referred to in subsecs. (a) and (b), is Pub. L. 102-486, Oct. 24, 1992, 106 Stat. 2776, known as the Energy Policy Act of 1992. For complete classification of this Act to the Code, see Short Title note set out under section 13201 of this title and Tables.

PART B—OTHER MISCELLANEOUS PROVISIONS

**§ 13551. Repealed. Pub. L. 104-182, title III, § 301, Aug. 6, 1996, 110 Stat. 1683**

Section, Pub. L. 102-486, title XXX, §3013, Oct. 24, 1992, 106 Stat. 3128, related to geothermal heat pumps.

**§ 13552. Use of energy futures for fuel purchases**

**(a) Fuel study**

The Secretary shall conduct a study—

(1) to ascertain if the use of energy futures and options contracts could provide cost-effective protection for Government entities (including Government purchases for military purposes and for the Strategic Petroleum Reserve) and consumer cooperatives (or any organization whose purpose is to purchase fuel in bulk) from unanticipated surges in the price of fuel; and

(2) to ascertain how such Government entities or consumer cooperatives may be educated in the prudent use of energy futures and options contracts to maximize their purchasing effectiveness, protect themselves against unanticipated surges in the price of fuel, and minimize fuel costs.

**(b) Pilot program**

The Secretary shall conduct a pilot program, commencing not later than 30 days after the transmission of the study required in subsection (b),<sup>1</sup> to educate such governmental entities, consumer cooperatives, or other organizations on the prudent and cost-effective use of energy futures and options contracts to increase their protection against unanticipated surges in the price of fuel and thereby increase the efficiency of their fuel purchase or assistance programs.

**(c) Authorization of appropriations**

There are authorized to be appropriated such sums as may be necessary to carry out this section.

(Pub. L. 102-486, title XXX, §3014, Oct. 24, 1992, 106 Stat. 3128; Pub. L. 105-362, title IV, §401(f), Nov. 10, 1998, 112 Stat. 3282.)

REFERENCES IN TEXT

Subsection (b), referred to in subsec. (b), was repealed and subsec. (c) of this section was redesignated (b) by Pub. L. 105-362, title IV, §401(f), Nov. 10, 1998, 112 Stat. 3282. See 1998 Amendment note below.

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

AMENDMENTS

1998—Subsecs. (b) to (d). Pub. L. 105-362 redesignated subsecs. (c) and (d) as (b) and (c), respectively, and struck out heading and text of former subsec. (b). Text read as follows: “The Secretary, no later than 12 months after October 24, 1992, shall transmit the study required in this section to the Committee on Energy and Commerce of the House of Representatives and the Committee on Energy and Natural Resources of the Senate.”

**§ 13553. Energy subsidy study**

**(a) In general**

The Secretary shall contract with the National Academy of Sciences to conduct a study of energy subsidies that—

- (1) are in effect on October 24, 1992; or
- (2) have been in effect prior to October 24, 1992.

**(b) Report to Congress**

Not later than 18 months after October 24, 1992, the Secretary shall transmit to the Congress,<sup>1</sup> the results of such study to be accompanied by recommendations for legislation, if any.

**(c) Contents**

**(1) In general**

The study shall identify and quantify the direct and indirect subsidies and other legal and institutional factors that influence decisions in the marketplace concerning fuels and energy technologies.

**(2) Topics for examination**

The study shall examine—

- (A) fuel and technology choices that are—
  - (i) available on October 24, 1992; or
  - (ii) reasonably foreseeable on October 24, 1992;
- (B) production subsidies for the extraction of raw materials;
- (C) subsidies encouraging investment in large capital projects;
- (D) indemnification;
- (E) fuel cycle subsidies, including waste disposal;
- (F) government research and development support; and
- (G) other relevant incentives and disincentives.

**(d) Authorization of appropriations**

There are authorized to be appropriated to carry out this section \$500,000 for each of the fiscal years 1993 and 1994.

(Pub. L. 102-486, title XXX, §3015, Oct. 24, 1992, 106 Stat. 3129.)

**§ 13554. Tar sands**

**(a) Policy**

It is the policy of the United States to promote the development and production, by all means consistent with sound engineering, economic, and environmental practices, of deposits of tar sands.

**(b) “Tar sands” defined**

(1) For purposes of this section, the term “tar sands” means any consolidated or unconsoli-

<sup>1</sup> So in original. The comma probably should not appear.