

ENERGY SECURITY ACT

[Public Law 96–294, as Amended]

[As Amended Through P.L. 108–204, Enacted March 2, 2004]

【Currency: This publication is a compilation of the text of Public Law 96–294. It was last amended by the public law listed in the As Amended Through note above and below at the bottom of each page of the pdf version and reflects current law through the date of the enactment of the public law listed at <https://www.govinfo.gov/app/collection/comps/>】

【Note: While this publication does not represent an official version of any Federal statute, substantial efforts have been made to ensure the accuracy of its contents. The official version of Federal law is found in the United States Statutes at Large and in the United States Code. The legal effect to be given to the Statutes at Large and the United States Code is established by statute (1 U.S.C. 112, 204).】

AN ACT To extend the Defense Production Act of 1950, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That this Act may be cited as the “Energy Security Act”.

【42 U.S.C. 8801 note】

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TITLE II—BIOMASS ENERGY AND ALCOHOL FUELS

SHORT TITLE

SEC. 201. This title may be cited as the “Biomass Energy and Alcohol Fuels Act of 1980”.

【42 U.S.C. 8801 note】

FINDINGS

SEC. 202. The Congress finds that—

(1) the dependence of the United States on imported petroleum and natural gas must be reduced by all economically and environmentally feasible means, including the use of biomass energy resources; and

(2) a national program for increased production and use of biomass energy that does not impair the Nation’s ability to produce food and fiber on a sustainable basis for domestic and export use must be formulated and implemented within a multiple-use framework.

【42 U.S.C. 8801】

DEFINITIONS

SEC. 203. As used in this title—

(1) The term “alcohol” means alcohol (including methanol and ethanol) which is produced from biomass and which is suitable for use by itself or in combination with other substances as a fuel or as a substitute for petroleum or petrochemical feedstocks.

(2)(A) The term “biomass” means any organic matter which is available on a renewable basis, including agricultural crops and agricultural wastes and residues, wood and wood wastes and residues, animal wastes, municipal wastes, and aquatic plants.

(B) For purposes of subtitle A, such term does not include municipal wastes; and for purposes of subtitle C, such term does not include aquatic plants and municipal wastes.

(3) The term “biomass fuel” means any gaseous, liquid, or solid fuel produced by conversion of biomass.

(4) The term “biomass energy” means—

(A) biomass fuel; or

(B) energy or steam derived from the direct combustion of biomass for the generation of electricity, mechanical power, or industrial process heat.

(5) The term “biomass energy project” means any facility (or portion of a facility) located in the United States which is primarily for—

(A) the production of biomass fuel (and byproducts); or

(B) the combustion of biomass for the purpose of generating industrial process heat, mechanical power, or electricity (including cogeneration).

(6) The term “Btu” means British thermal unit.

(7) The term “cogeneration” means the combined generation by any facility of—

(A) electrical or mechanical power, and

(B) steam or forms of useful energy (such as heat) which are used for industrial, commercial, heating, or cooling purposes.

(8) The term “cooperative” means any agricultural association, as that term is defined in section 15(a) of the Act of June 15, 1929, as amended (46 Stat. 18; 12 U.S.C. 1141j), commonly known as the Agricultural Marketing Act.

(9)(A) The term “construction” means—

(i) the construction or acquisition of any biomass energy project;

(ii) the conversion of any facility to a biomass energy project; or

(iii) the expansion or improvement of any biomass energy project which increases the capacity or efficiency of that facility to produce biomass energy.

(B) Such term includes—

(i) the acquisition of equipment and machinery for use in or at the site of a biomass energy project; and

(ii) the acquisition of land and improvements thereon for the construction, expansion, or improvement of such a project, or the conversion of a facility to such a project.

(C) Such term does not include the acquisition of any facility which was operated as a biomass energy project before the acquisition.

(10) The term “Federal agency” means any Executive agency, as defined in section 105 of title 5, United States Code.

(11)(A) The term “financial assistance” means any of the following forms of financial assistance provided under this title, or any combination of such forms:

- (i) loans,
- (ii) loan guarantees,
- (iii) price guarantees, and
- (iv) purchase agreements.

(B) Such term includes any commitment to provide such assistance.

(12) The term “Indian tribe” means any Indian tribe, band, nation, or other organized group or community, including any Alaska Native village or regional or village corporation as defined in or established pursuant to the Alaska Native Claims Settlement Act which is recognized as eligible for the special programs and services provided by the United States to Indians because of their status as Indians.

(13) The term “motor fuel” means gasoline, kerosene, and middle distillates (including diesel fuel).

(14)(A) The term “municipal waste” means any organic matter, including sewage, sewage sludge, and industrial or commercial waste, and mixtures of such matter and inorganic refuse—

- (i) from any publicly or privately operated municipal waste collection or similar disposal system, or
- (ii) from similar waste flows (other than such flows which constitute agricultural wastes or residues, or wood wastes or residues from wood harvesting activities or production of forest products).

(B) Such term does not include any hazardous waste, as determined by the Secretary of Energy for purposes of this title.

(15)(A) The term “municipal waste energy project” means any facility (or portion of a facility) located in the United States primarily for—

- (i) the production of biomass fuel (and byproducts) from municipal waste; or
- (ii) the combustion of municipal waste for the purpose of generating steam or forms of useful energy, including industrial process heat, mechanical power, or electricity (including cogeneration).

(B) Such term includes any necessary transportation, preparation, and disposal equipment and machinery for use in or at the site of the facility involved.

(16) The term “Office of Alcohol Fuels” means the Office of Alcohol Fuels established under section 220.

(17) The term “person” means any individual, company, cooperative, partnership, corporation, association, consortium, unincorporated organization, trust, estate, or any entity organized for a common business purpose, any State or local government (including any special purpose district or similar governmental unit) or any agency or instrumentality thereof, or any Indian tribe or tribal organization.

(18) The term “State” means any of the fifty States, the District of Columbia, the Commonwealth of Puerto Rico, the

Virgin Islands of the United States, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, and the Trust Territory of the Pacific Islands.

(19) The term “small scale biomass energy project” means a biomass energy project with an anticipated annual production capacity of not more than 1,000,000 gallons of ethanol per year, or its energy equivalent of other forms of biomass energy.

[42 U.S.C. 8802]

FUNDING FOR SUBTITLES A AND B

SEC. 204. (a) To the extent provided in advance in appropriation Acts, for the two year period beginning October 1, 1980, there is authorized to be appropriated and transferred \$1,170,000,000 from the Energy Security Reserve established in the Treasury of the United States under title II of the Act entitled “An Act making appropriations for the Department of the Interior and related agencies for the fiscal year ending September 30, 1980, and for other purposes” (Public Law 96-126; 93 Stat. 970) and made available for obligation by such Act only to the extent provided in advance in appropriation Acts, as follows:

(1) \$460,000,000 to the Secretary of Agriculture for carrying out activities under subtitle A, except of the amount of the financial assistance provided by the Secretary of Agriculture under subtitle A, up to one-third shall be for small-scale biomass energy projects;

(2) \$460,000,000 to the Secretary of Energy for carrying out biomass energy activities under subtitle A, of which at least \$500,000,000 shall be available to the Office of Alcohol Fuels for carrying out its activities, and any amount not made available to the Office of Alcohol Fuels shall be available to the Secretary to carry out the purposes of subtitle A under available authorities of the Secretary, including authorities under subtitle A; and

(3) \$250,000,000 shall be available to the Secretary of Energy for carrying out activities under subtitle B.

(b) Funds made available under subsection (a) shall remain available until expended.

(c)(1) For purposes of determining the amount of such appropriations which remain available for purposes of this title—

(A) loans shall be counted at the initial face value of the loan;

(B) loan guarantees shall be counted at the initial face value of such loan guarantee;

(C) price guarantees and purchase agreements shall be counted at the value determined by the Secretary concerned as of the date of each such contract based upon the Secretary’s determination of the maximum potential liability of the United States under the contract; and

(D) any increase in the liability of the United States pursuant to any amendment or other modification to a contract for a loan, loan guarantee, price guarantee, or purchase agreement, shall be counted to the extent of such increase.

(2) Determinations under paragraph (1) shall be made in accordance with generally accepted accounting principles, consistently applied.

(3) If more than one form of financial assistance is to be provided to any one project, the obligations and commitments thereunder shall be counted at the maximum potential exposure of the United States on such project at any time during the life of such project.

(4) Any commitment to provide financial assistance shall be treated the same as such assistance for purposes of this subsection; except that any such commitment which is nullified or voided for any reason shall not be considered for purposes of this subsection.

(d) Financial assistance may be provided under this title only to the extent provided in advance in appropriation Acts.

【42 U.S.C. 8803】

COORDINATION WITH OTHER AUTHORITIES AND PROGRAMS

SEC. 205. The authorities in this title are in addition to and do not modify (except to the extent expressly provided for in this title) authorities and programs of the Department of Energy and of the Department of Agriculture under other provisions of law.

【42 U.S.C. 8804】

SUBTITLE A—GENERAL BIOMASS ENERGY DEVELOPMENT

BIOMASS ENERGY DEVELOPMENT PLANS

SEC. 211. (a) Not later than 180 days after the date of the enactment of this Act, the Secretary of Agriculture and the Secretary of Energy shall jointly prepare, and transmit to the President and the Congress, a plan for maximizing in accordance with this subtitle biomass energy production and use. Such plan shall be designed to achieve a total level of alcohol production and use within the United States of at least 60,000 barrels per day of alcohol by December 31, 1982.

(b)(1) Not later than January 1, 1982, the Secretary of Agriculture and the Secretary of Energy shall jointly prepare, and transmit to the President and the Congress, a comprehensive plan for maximizing in accordance with this subtitle biomass energy production and use, for the period beginning January 1, 1983, and ending December 31, 1990. Such plan shall be designed to achieve a level of alcohol production within the United States equal to at least 10 percent of the level of gasoline consumption within the United States as estimated by the Secretary of Energy for the calendar year 1990.

(2) The plan prepared under this subsection shall evaluate the feasibility of reaching the goals set forth in such subsection.

(c) The plans prepared under subsections (a) and (b) shall each include guidelines for use in awarding financial assistance under this subtitle which are designed to increase, during the period covered by the plan, the amount of motor fuel displaced by biomass energy.

【42 U.S.C. 8811】

PROGRAM RESPONSIBILITY AND ADMINISTRATION; EFFECT ON OTHER PROGRAMS

SEC. 212. (a)(1) Except as provided in paragraph (2), in the case of any financial assistance under this subtitle for a biomass energy project, the Secretary concerned shall be—

(A) the Secretary of Agriculture, in the case of any biomass energy project which will have an anticipated annual production capacity of less than 15,000,000 gallons of ethanol (or the energy equivalent of other forms of biomass energy) and which will use feedstocks other than aquatic plants; and

(B) the Secretary of Energy, in the case of any biomass energy project which will use aquatic plants as feedstocks or which will have an anticipated annual production capacity of 15,000,000 gallons or more of ethanol (or the energy equivalent of other forms of biomass energy).

(2)(A) Either the Secretary of Agriculture or the Secretary of Energy may be the Secretary concerned in the case of any biomass energy project which will have an anticipated annual production capacity of 15,000,000 gallons or more of ethanol (or the energy equivalent of other forms of biomass energy) and—

(i) which will use wood or wood wastes or residue, or

(ii) which is owned and operated by a cooperative and will use feedstocks other than aquatic plants.

(B) Financial assistance may not be provided by either Secretary under subparagraph (A) without the written concurrence of the other Secretary. Such concurrence shall be granted or denied by such Secretary in accordance with subparagraph (C) and on the same standards as that Secretary applies in making his own awards of financial assistance under this paragraph.

(C)(i) In the case of a project described in subparagraph (A), the Secretary concerned shall provide the other Secretary a copy of the application and such supporting information as may be material, and shall provide the other Secretary at least 15 days to review the project. If during such 15-day period the reviewing Secretary provides written notification to the Secretary concerned specifying reasons why such project should not proceed, the Secretary concerned shall defer the final decision on the application for an additional 30 days. During such 30-day period, both Secretaries shall attempt to reach agreement regarding all issues raised in the written notice. Before the end of the 30-day period, the reviewing Secretary shall notify the Secretary concerned of his decision regarding concurrence. If the reviewing Secretary fails to provide such notice before the end of such period, concurrence shall be deemed to have been given.

(ii) The project applicant may reapply for financial assistance for such project, after making such modifications to the project as may be necessary to address issues raised by the reviewing Secretary in the original notice of objection. The subsequent review of such project by the reviewing Secretary shall be limited to the issues originally raised by the reviewing Secretary and any issues raised by changed circumstances.

(D) Both Secretaries may jointly act as the Secretary concerned in accordance with such procedures as the Secretaries may jointly prescribe, in which case—

(i) subparagraphs (B) and (C) and subsection (c) shall not apply, and

(ii) the proportion of financial assistance provided by each Secretary shall be determined in accordance with the procedures jointly prescribed.

(b)(1) Each Secretary shall take such action as may be necessary to assure that—

(A) guidelines for soliciting and receiving applications for financial assistance are established within 90 days after the date of the enactment of this Act;

(B) applications for financial assistance for biomass energy projects are initially solicited within 30 days after such guidelines are established;

(C) additional applications for financial assistance are solicited within 1 year after the date of the initial solicitation;

(D) any application is evaluated and a decision made on such application within 120 days after the receipt of the application, including review under subsections (a)(2)(C), (a)(2)(D), or (c); and

(E) all interested persons are provided the easiest possible access to the application process, including procedures which assure that—

(i) information concerning financial assistance from either Secretary is available through all appropriate offices of the Department of Agriculture and the Department of Energy, and other regional and local offices of the Federal Government, as may be appropriate;

(ii) all such locations where such information is available will be able to accept and file applications, and will forward them to the Secretary concerned; and

(iii) the procedures established for accepting, evaluating, and awarding financial assistance will provide for categories of biomass energy projects, according to size and provide to the maximum extent practicable the simplest procedures for small producers.

(2) The procedural requirements of subparagraph (A) through (D) of paragraph (1) shall not apply to either Secretary to the extent that the Secretary finds that other procedures are adopted for the solicitation, evaluation, and awarding of financial assistance which will result in applications being processed more expeditiously.

(c)(1) After evaluating any application and before awarding any financial assistance on the basis of that application, the Secretary concerned shall provide the other Secretary with—

(A) a copy of the application and such supporting material as may be appropriate, and

(B) an opportunity of not less than 15 days to review the application.

This subsection shall not apply in the case of a project subject to review under subsection (a)(2)(C).

(2) If the reviewing Secretary provides written notice specifying any issues regarding matters subject to the Secretary's review to the Secretary concerned before the end of the 15-day review period, the Secretary concerned shall defer a final decision on the application for an additional 30 days to provide an opportunity for both Secretaries to answer and resolve such issues. At the expiration of the 30-day period, the Secretary concerned may make a final decision with respect to the application, using the best judgment of the Secretary concerned to resolve any remaining issues.

(3) Reviews of projects under the provisions of subsection (a)(2)(C) or paragraph (1)(B) by the Secretary of Agriculture shall be for the purpose of considering the national, regional, and local agricultural policy impacts of such project on agricultural supply, production, and use, and reviews by the Secretary of Energy under such provisions shall be for the purpose of considering national energy policy impacts and the technical feasibility of the project.

(4) The Secretary of Agriculture and the Secretary of Energy may jointly establish categories of projects to which paragraphs (1) and (2) shall not apply. Within 90 days after the date of the enactment of this Act, the Secretaries shall identify potential categories and make an initial determination of exempted categories.

(d) If any application for financial assistance under this subtitle is disapproved, the applicant shall be provided written notice of the reasons for the disapproval.

(e)(1) The functions assigned under this subtitle to the Secretary of Agriculture may be carried out by any of the administrative entities in the Department of Agriculture which the Secretary of Agriculture may designate. Within 30 days after the date of the enactment of this Act, the Secretary of Agriculture shall make such designations and notify the Congress of the administrative entity or entities so designated and the officials in such administrative entity or entities who are to be responsible for such functions.

(2) The Secretary of Agriculture may issue such regulations as are necessary to carry out functions assigned to the Secretary of Agriculture under this subtitle.

(3) The entities or entity designated under paragraph (1) shall coordinate the administration of functions assigned to it under this subsection with any other biomass energy programs within the Department of Agriculture established under other provisions of law.

(f) The functions under this subtitle which are assigned to the Secretary of Energy and which relate to alcohol production shall be carried out by the Office of Alcohol Fuels.

(g) For purposes of this subtitle, the quantity of any biomass energy which is the energy equivalent to 15,000,000 gallons of ethanol shall be prescribed jointly by the Secretary of Agriculture and the Secretary of Energy within 30 days after the date of the enactment of this Act.

[42 U.S.C. 8812]

INSURED LOANS

SEC. 213. (a) Subject to sections 212 and 217, the Secretary of Agriculture may commit to make, and make, insured loans in

amounts not to exceed \$1,000,000 per project for the construction of small-scale biomass energy projects.

(b)(1) Any insured loan under this section—

(A) may not exceed 90 per centum of the total estimated cost of construction of the biomass energy project involved, and

(B) shall bear interest at rates determined by the Secretary of Agriculture, taking into consideration the current average market yield on outstanding marketable obligations of the United States with remaining periods to maturity comparable to the average maturities of such loans, plus not to exceed one per centum, as determined by the Secretary of Agriculture, and adjusted to the nearest one-eighth of one per centum.

(2) In the event the total estimated costs of construction of the project thereafter exceed the total estimated costs initially determined by the Secretary of Agriculture, the Secretary may in addition, upon application therefor, make an insured loan for so much of the additional estimated total costs as does not exceed 10 per centum of the total costs initially estimated.

(c)(1) The Secretary of Agriculture shall make insured loans under this section using, to the extent provided in advance in appropriations Acts, the Agricultural Credit Insurance Fund in section 309 of the Consolidated Farm and Rural Development Act or the Rural Development Insurance Fund in section 309A of such Act (hereinafter in this section referred to as the “Funds”). The Secretary of Agriculture may not use an aggregate amount of funds to make or commit to make insured loans under this section in excess of the aggregate amount for insured loans and administrative costs appropriated and transferred under section 204. The terms, conditions, and requirements applicable to such insured loans shall be in accordance with this subtitle.

(2) There shall be reimbursed to the Funds, from appropriations made under section 204, amounts equal to the operating and administrative costs incurred by the Secretary of Agriculture in insuring loans under this section.

(3) Notwithstanding any provision of the Consolidated Farm and Rural Development Act, no funds made available to the Secretary of Agriculture under this section for insured loans shall be used for any other purpose.

(4) For purposes of this section, the term “insured loan” means a loan which is made, sold, and insured.

(d) An insured loan may not be made under this section unless the applicant for such loan has established to the satisfaction of the Secretary that the applicant is unable without such a loan to obtain sufficient credit elsewhere at reasonable rates and terms, taking into consideration prevailing private and cooperative rates and terms for loans for similar purposes and periods of time, to finance the construction of the biomass energy project for which such loan is sought.

【42 U.S.C. 8813】

LOAN GUARANTEES

SEC. 214. (a) Subject to sections 212 and 217, the Secretary concerned may commit to guarantee, and guarantee, against loss of principal and interest, loans which are made to provide funds for the construction of biomass energy projects.

(b)(1) Any guarantee of a loan under this section may not exceed 90 per centum of the cost of the construction of the biomass energy project involved, as estimated by the Secretary on the date of the guarantee or commitment to guarantee.

(2) In the event the construction costs of the project are thereafter estimated by the Secretary concerned to exceed the construction costs initially estimated by the Secretary, the Secretary may in addition, upon application therefor, guarantee, against loss of principal and interest, a loan for up to 60 per centum of the difference between the construction costs then estimated and the construction costs initially estimated.

(c) Notwithstanding the provisions of the Federal Financing Bank Act of 1973 (12 U.S.C. 2281 et seq.) or any other provision of law (except as may be specifically provided by reference to this subsection in any Act enacted after the date of the enactment of this Act), no debt obligation which is guaranteed or committed to be guaranteed by the Secretary of Agriculture or the Secretary of Energy under this section shall be eligible for purchase by, or commitment to purchase by, or sale or issuance to, the Federal Financing Bank or any Federal agency.

(d) The terms and conditions of loan guarantees under this section shall provide that, if the Secretary concerned makes a payment of principal or interest upon the default by a borrower, the Secretary shall be subrogated to the rights of the recipient of such payment (and such subrogation shall be expressly set forth in the loan guarantee or related agreements).

(e) Any loan guarantee under this section shall not be terminated, canceled, or otherwise revoked, except in accordance with the terms thereof and shall be conclusive evidence that such guarantee complies fully with the provisions of this title and of the approval and legality of the principal amount, interest rate, and all other terms of the securities, obligations, or loans and of the guarantee.

(f) If the Secretary concerned determines that—

(1) the borrower is unable to meet payments and is not in default,

(2) it is in the public interest to permit the borrower to continue with such project, and

(3) the probable net benefit to the United States in paying the principal and interest due under the loan will be greater than that which would result in the event of a default,

then the Secretary may pay to the lender under a loan guarantee agreement an amount not greater than the principal and interest which the borrower is obligated to pay to such lender, if the borrower agrees to reimburse the Secretary for such payment on terms and conditions, including interest, which the Secretary determines are sufficient to protect the financial interests of the United States.

(g)(1) A loan may not be guaranteed under this section unless the applicant for such loan has established to the satisfaction of the Secretary concerned that the lender is not willing without such a guarantee to extend credit to the applicant at reasonable rates and terms, taking into consideration prevailing rates and terms for loans for similar purposes and periods of time, to finance the construction of the biomass energy project for which such loan is sought.

(2) The Secretary concerned shall ensure that the lender bears a reasonable degree of risk in the financing of such project.

【42 U.S.C. 8814】

PRICE GUARANTEES

SEC. 215. (a) Subject to sections 212 and 217, the Secretary concerned may commit to guarantee, and guarantee, that the price that the owner or operator of any biomass energy project will receive for all or part of the production from that project shall not be less than a specified sales price determined as of the date of execution of the price guarantee or commitment to guarantee.

(b)(1) No price guarantee under this section may be based upon a cost-plus arrangement, or variant thereof, which guarantees a profit to the owner or operator involved.

(2) The use of a cost-of-service pricing mechanism by a person pursuant to law, or by a regulatory body establishing rates for a regulated person, shall not be deemed to be a cost-plus arrangement, or variant thereof, for purposes of paragraph (1).

(c) Each price guarantee, or commitment to guarantee, which is made under this section shall specify the maximum dollar amount of liability of the United States under that guarantee.

(d) If the Secretary determines, in the discretion of the Secretary, that—

(1) a biomass energy project would not otherwise be satisfactorily completed or continued, and

(2) completion or continuation of such project would be necessary to achieve the purposes of this title,

the sales price set forth in the price guarantee, and maximum liability under such guarantee, may be renegotiated.

【42 U.S.C. 8815】

PURCHASE AGREEMENTS

SEC. 216. (a) Subject to sections 212 and 217, the Secretary concerned may commit to make, and make, purchase agreements for all or part of the biomass energy production of any biomass energy project, if the Secretary determines—

(1) that such biomass energy is of a type, quantity, and quality that can be used by Federal agencies; and

(2) that the quantity of such biomass energy, if delivery is accepted, would not exceed the likely needs of Federal agencies.

Each Secretary concerned shall consult with the other Secretary before making any determination under paragraph (2).

(b) The sales price specified in a purchase agreement under this section may not exceed the estimated prevailing market price

as of the date of delivery, as determined by the Secretary of Energy, unless the Secretary concerned determines that such sales price must exceed the estimated prevailing market price in order to ensure the production of biomass energy to achieve the purposes of this title.

(c) The Secretary concerned in entering into, or committing to enter into, a purchase agreement under this section shall require—

(1) assurances that the quality of the biomass energy purchased will meet standards for the use for which such energy is purchased;

(2) assurances that the ordered quantities of such energy will be delivered on a timely basis; and

(3) such other assurances as may reasonably be required.

(d) The Secretary concerned may take delivery of biomass energy pursuant to a purchase agreement under this section if appropriate arrangements have been made for its distribution to and use by one or more Federal agencies. Any Federal agency receiving such energy shall be charged (in accordance with otherwise applicable law), from sums appropriated to such Federal agency, for the prevailing market price as of the date of delivery, as determined by the Secretary of Energy, for the product which the biomass energy is replacing.

(e) The Secretary concerned shall consult with the Secretary of Defense and the Administrator of the General Services Administration in carrying out this section.

(f) Each purchase agreement, and commitment to enter into a purchase agreement, under this section shall provide that the Secretary concerned retains the right to refuse delivery of the biomass energy involved upon such terms and conditions as shall be specified in the purchase agreement.

(g) Each purchase agreement, or commitment to enter into a purchase agreement, which is made under this section shall specify the maximum dollar amount of liability of the United States under that agreement.

(h) If the Secretary concerned determines, in the discretion of the Secretary, that—

(1) a biomass energy project would not otherwise be satisfactorily completed or continued, and

(2) completion or continuation of such project would be necessary to achieve the purposes of this title,

the sales price set forth in the purchase agreement, and maximum liability under such agreement, may be renegotiated.

【42 U.S.C. 8816】

GENERAL REQUIREMENTS REGARDING FINANCIAL ASSISTANCE

SEC. 217. (a)(1) Priority for financial assistance under this subtitle, and the most favorable financial terms available, shall be provided to a person for any biomass energy project that—

(A) uses a primary fuel other than petroleum or natural gas in the production of biomass fuel, such as geothermal energy resources, solar energy resources, or waste heat; or

(B) applies new technologies which expand the possible feedstocks, produces new forms of biomass energy, or produces biomass fuel using improved or new technologies.

Nothing in this paragraph shall be construed to exclude financial assistance for any project which does not use such a fuel or apply such a technology.

(2)(A) Financial assistance under this subtitle shall be available for a biomass energy project only if the Secretary concerned finds that the Btu content of the motor fuels to be used in the facility involved to produce the biomass fuel will not exceed the Btu content of the biomass fuel produced in the facility.

(B) In making the determination under subparagraph (A), the Secretary concerned shall take into account any displacement of motor fuel or other petroleum products which the applicant has demonstrated to the satisfaction of the Secretary would result from the use of the biomass fuel produced in the facility involved.

(3) No financial assistance may be provided under this subtitle to any person for any biomass energy project if the Secretary concerned finds that the process to be used by the project will not extract the protein content of the feedstock for utilization as food or feed for readily available markets in any case in which to do so would be technically and economically practicable.

(4) Financial assistance may not be provided under this subtitle to any person unless the Secretary concerned—

(A) finds that necessary feedstocks are available and it is reasonable to expect they will continue to be available in the future, and, for biomass energy projects using wood or wood wastes or residues from the National Forest System, there shall be taken into account current levels of use by then existing facilities;

(B) has obtained assurance that the person receiving such financial assistance will bear a reasonable degree of risk in the construction and operation of the project; and

(C) has determined that the amount of financial assistance provided for the project is not greater than is necessary to achieve the purposes of this title.

(5) In providing financial assistance under this subtitle, the Secretary concerned shall give due consideration to promoting competition.

(6) In determining the amount of financial assistance for any biomass energy project which will yield byproducts in addition to biomass energy, the Secretary shall consider the potential value of such byproducts and the costs attributable to their production.

(b) An insured loan may not be made, and a loan guarantee may not be issued, under this subtitle unless the Secretary concerned determines that the terms, conditions, maturity, security, and schedule and amounts of repayments with respect to such loan are reasonable and meet such standards as the Secretary determines are sufficient to protect the financial interests of the United States.

(c)(1) No financial assistance may be provided to any person under this subtitle unless an application therefor—

(A) has been submitted to the Secretary concerned by that person in such form and under such procedures as the Sec-

retary shall prescribe, consistent with the requirements of this subtitle, and

(B) has been approved by the Secretary in accordance with such procedures.

(2) Each such application shall include information regarding the construction costs of the biomass energy project involved, and estimates of operating costs and income relating to that project (including the sale of any byproducts from that project). In addition, each applicant shall provide—

(A) access at reasonable times to such other information, and

(B) such assurances, as the Secretary concerned may require.

(d)(1) Every recipient of financial assistance under this subtitle shall, as a condition precedent thereto, consent to such examinations and reports regarding the biomass energy project involved as the Secretary concerned may require.

(2) With respect to each biomass energy project for which financial assistance is provided under this subtitle, the Secretary shall—

(A) require from the recipient of financial assistance such reports and records relating to that project as the Secretary deems necessary;

(B) prescribe the manner in which such recipient shall keep such records; and

(C) have access to such records at reasonable times for the purpose of ensuring compliance with the terms and conditions upon which financial assistance is provided.

(e) All contracts and instruments of the Secretary concerned to provide, or providing, for financial assistance shall be general obligations of the United States backed by its full faith and credit.

(f) Subject to the conditions of any contract for financial assistance, such contract shall be incontestable in the hands of the holder, except as to fraud or material misrepresentation on the part of the holder.

(g)(1) A fee or fees may be charged and collected by the Secretary concerned for any loan guarantee, price guarantee, or purchase agreement provided under this subtitle.

(2) The amount of such fee shall be based on the estimated administrative costs and risk of loss, except that such fee may not exceed 1 per centum of the amount of the financial assistance provided.

(h) All amounts received by the Secretary of Agriculture or the Secretary of Energy as fees, interest, repayment of principal, and any other moneys received by either Secretary from activities under this subtitle shall be deposited in the Treasury of the United States as miscellaneous receipts. The preceding sentence shall not apply to insured loans made under section 213.

[42 U.S.C. 8817]

REPORTS

SEC. 218. [Subsection (a) repealed by P.L. 99-386.]

(b) Within 120 days after the date of enactment of this Act, the Secretary of Energy and the Secretary of Agriculture shall submit to the Congress a comprehensive list of all the types of loans, grants, incentives, rebates, or any other such private, State, or Federal economic or financial benefits now in effect or proposed which can be or have been used for production of alcohol to be used as a motor fuel or petroleum substitute.

(c)(1)(A) The Office of Alcohol Fuels shall submit to the Congress and the President annual reports containing a general description of the Office's operations during the year and a description and evaluation of each biomass energy project for which financial assistance by the Office is then in effect.

(B) Each annual report shall describe progress made toward meeting the goals of this subtitle and contain specific recommendations on what actions the Congress could take in order to facilitate the work of the Office in achieving such goals.

(C) Each annual report under this subsection shall contain financial statements prepared by the Office.

(2) On or before September 30, 1990, the Office shall submit to the Congress and the President a report evaluating the overall impact made by the Office and describing the status of each biomass energy project which has received financial assistance under this subtitle from the Office. Such report shall contain a plan for the termination of the work of the Office.

【42 U.S.C. 8818】

REVIEW; REORGANIZATION

SEC. 219. (a) The President shall review periodically the progress of the Secretary of Agriculture and the Secretary of Energy in carrying out the purposes of this subtitle.

(b) If the President determines it necessary in order to achieve such purposes the President may, in accordance with the provisions of chapter 9 of title 5, United States Code, provide for a reorganization, including any required realignment of the respective programs of the Secretaries under this subtitle.

【42 U.S.C. 8819】

ESTABLISHMENT OF OFFICE OF ALCOHOL FUELS IN DEPARTMENT OF ENERGY

SEC. 220. (a) There is hereby established within the Department of Energy an Office of Alcohol Fuels (hereinafter in this section referred to as the "Office") to be headed by a Director, who shall be appointed by the President, by and with the advice and consent of the Senate, and who shall be compensated at the rate provided for level IV of the Executive Schedule under section 5315 of title 5, United States Code.

(b)(1) The Director shall be responsible for carrying out the functions of the Secretary of Energy under this subtitle which relate to alcohol, including the terms and conditions of financial assistance and the selection of recipients for that assistance, subject to the general supervision of the Secretary of Energy.

(2) The Director shall be responsible directly to the Secretary of Energy.

(c) In each annual authorization and appropriation request, the Secretary shall identify the portion thereof intended for the support of the Office and include a statement by the Office (1) showing the amount requested by the Office in its budgetary presentation to the Secretary and the Office of Management and Budget and (2) an assessment of the budgetary needs of the Office. Whenever the Office submits to the Secretary, the President, or the Office of Management and Budget, any formal legislative recommendation or testimony, or comments on legislation, prepared for submission to Congress, the Office shall concurrently transmit a copy thereof to the appropriate committees of Congress.

(d) The Secretary of Energy, after consultation with the Director, shall consult with the Secretary of the Treasury, the Secretary of Agriculture, the Secretary of Transportation, the Secretary of Commerce, the Administrator of the Community Services Administration, the Administrator of the Environmental Protection Agency, or their appointed representatives, in order to coordinate the programs under the Director's responsibility with other programs within the Department of Energy and in such Federal agencies, which are related to the production of alcohol.

[42 U.S.C. 8820]

TERMINATION

SEC. 221. No insured loan, loan guarantee, price guarantee, or purchase agreement may be committed to or made under this subtitle after September 30, 1984, except that all conditional commitments for loan guarantees under this subtitle which were in existence on September 30, 1984, are hereby extended through June 30, 1987. This section shall not be construed to affect the authority of the Secretary concerned to spend funds after such date pursuant to any contract for financial assistance made on or before that date under this subtitle. Notwithstanding any other provision of this subtitle, the Secretary of Energy may modify the terms and conditions of any conditional commitment for a loan guarantee under this subtitle made before October 1, 1984, including the amount of the loan guarantee. Nothing in this section shall be interpreted as indicating Congressional approval with respect to any pending conditional commitments under this Act.

[42 U.S.C. 8821]

SUBTITLE B—MUNICIPAL WASTE BIOMASS ENERGY

MUNICIPAL WASTE ENERGY DEVELOPMENT PLAN

SEC. 231. (a) The Secretary of Energy shall prepare a comprehensive plan for carrying out this subtitle. In the preparation of such plan, the Secretary shall consult with the Administrator of the Environmental Protection Agency, the Secretary of Commerce, and the head of such other Federal agencies as the Secretary deems appropriate.

(b) Not later than 90 days after the date of the enactment of this Act, the Secretary shall transmit the comprehensive plan to the President and the Congress.

(c) The comprehensive plan under this section shall include a statement setting forth—

(1) the anticipated research, development, demonstration, and commercialization objectives to be achieved;

(2) the management structure and approach to be adopted to carry out such plan;

(3) the program strategies, including detailed milestone goals to be achieved;

(4) the specific funding requirements for individual program elements and activities, including the total estimated construction costs of proposed projects; and

(5) the estimated relative financial contributions of the Federal Government and non-Federal participants in the program.

(d) Not later than January 1, 1982, the Secretary shall prepare and submit to the President and the Congress a report containing a complete description of any financial, institutional, environmental, and social barriers to the development and application of technologies for the recovery of energy from municipal wastes.

【42 U.S.C. 8831】

CONSTRUCTION LOANS

SEC. 232. (a) Subject to sections 235 and 236, the Secretary of Energy may commit to make, and make, loans for the construction of municipal waste energy projects.

(b)(1) Any loan under this section—

(A) may not exceed 80 per centum of the total estimated cost of the construction of the municipal waste energy project involved, and

(B) shall bear interest at a rate determined by the Secretary of Energy (taking into consideration the current average market yield on outstanding marketable obligations of the United States with remaining periods to maturity comparable to the average maturities of such loans) plus not to exceed one per centum, as determined by the Secretary of Energy, and adjusted to the nearest one-eighth of one per centum.

(2) In the event the total estimated costs of construction of the project thereafter exceed the total estimated costs initially determined by the Secretary of Energy, the Secretary may in addition, upon application therefor, make a loan for so much of the additional estimated costs as does not exceed 10 per centum of the initial total estimated costs of construction.

(c) A loan may not be made under this section unless the person applying for such loan has established to the satisfaction of the Secretary of Energy that the applicant is unable without such a loan to obtain sufficient credit elsewhere at reasonable rates and terms, taking into consideration prevailing market rates and terms for loans for similar periods of time, to finance the construction of the project for which such loan is sought.

【42 U.S.C. 8832】

GUARANTEED CONSTRUCTION LOANS

SEC. 233. (a) Subject to sections 235 and 236, the Secretary of Energy may commit to guarantee, and guarantee, against loss on up to 90 per centum of the principal and interest, any loan which is made solely to provide funds for the construction of a municipal waste energy project and which does not exceed 90 per centum of the cost of the construction of the project involved, as estimated by the Secretary on the date of the guarantee or commitment to guarantee.

(b) In the event the total estimated costs of construction of the project thereafter exceed the total estimated costs initially determined by the Secretary of Energy, the Secretary may in addition, upon application therefor, guarantee, against loss on up to 90 per centum of the principal and interest, a loan for so much of the additional estimated total costs as does not exceed 10 per centum of the total estimated costs.

(c) The terms and conditions of loan guarantees under this section shall provide that, if the Secretary of Energy makes a payment of principal or interest upon the default by a borrower, the Secretary shall be subrogated to the rights of the recipient of such payment (and such subrogation shall be expressly set forth in the loan guarantee or related agreements).

(d) Any loan guarantee under this section shall not be terminated, canceled, or otherwise revoked, except in accordance with the terms thereof and shall be conclusive evidence that such guarantee complies fully with the provisions of this title and of the approval and legality of the principal amount, interest rate, and all other terms of the securities, obligations, or loans and of the guarantee.

(e) If the Secretary of Energy determines that—

- (1) the borrower is unable to meet payments and is not in default,
- (2) it is in the public interest to permit the borrower to continue to pursue the purposes of such project, and
- (3) the probable net benefit to the United States in paying the principal and interest due under a loan guarantee agreement will be greater than that which would result in the event of a default,

then the Secretary may pay to the lender under a loan guarantee agreement an amount not greater than the principal and interest which the borrower is obligated to pay to such lender, if the borrower agrees to reimburse the Secretary for such payment on terms and conditions, including interest, which the Secretary determines are sufficient to protect the financial interests of the United States.

(f) A loan may not be guaranteed under this section unless the applicant for such loan has established to the satisfaction of the Secretary of Energy that the lender is not willing without such a guarantee to extend credit to the applicant at reasonable rates and terms, taking into consideration prevailing market rates and terms for loans for similar periods of time, to finance the construction of the project for which such loan is sought.

(g)(1) With respect to any loan or debt obligation which is—

(A) issued after the date of the enactment of this Act by, or on behalf of, any State or any political subdivision or governmental entity thereof,

(B) guaranteed by the Secretary of Energy under this section, and

(C) not supported by the full faith and credit of the issuer as a general obligation of the issuer, the interest paid on such obligation and received by the purchaser thereof (or the purchaser's successors in interest) shall be included in gross income for the purposes of chapter 1 of the Internal Revenue Code of 1954.

(2) With respect to the amount of obligations described in paragraph (1) that the issuer would have been able to issue as tax exempt obligations (other than obligations secured by the full faith and credit of the issuer as a general obligation of the issuer), the Secretary of Energy is authorized to pay only to the issuer any portion of the interest on such obligations, as determined by the Secretary of the Treasury after taking into account the interest rate which would have been paid on the obligations had they been issued as tax exempt obligations without being so guaranteed by the Secretary of Energy and the interest rate actually paid on the obligations when issued as taxable obligations. Such payments shall be made in amounts determined by the Secretary of Energy, and in accordance with such terms and conditions as the Secretary of the Treasury shall require.

(h)(1) A fee or fees may be charged and collected by the Secretary of Energy for any loan guarantee under this section.

(2) The amount of such fee shall be based on the estimated administrative costs and risk of loss, except that such fee may not exceed 1 per centum of the maximum of the guarantee.

[42 U.S.C. 8833]

PRICE SUPPORT LOANS AND PRICE GUARANTEES

SEC. 234. (a)(1) In the case of any existing municipal waste energy project which produces and sells biomass energy, the Secretary of Energy may commit to make, and make, a price support loan in amounts determined under paragraph (3) for the operation of such project. Payments under any such loan shall be disbursed on an annual basis, as determined (in accordance with paragraph (3)) on the basis of the amount of biomass energy produced and sold by that project during the 12-month period involved and the type and cost of fuel displaced by the biomass energy sold.

(2)(A) In the case of any support loan under this section for an existing municipal waste energy project—

(i) disbursements under such loan may not be made for more than 5 consecutive 12-month periods;

(ii) the amount of the disbursement for the second and any subsequent 12-month period for which disbursements are to be made under the support loan shall be reduced by an amount determined by multiplying the amount calculated under paragraph (3) by a factor determined by dividing the number of 12-month periods for which disbursements are made under the

support loan into the number of such periods which have elapsed;

(iii) commencing at the end of the last of such 12-month periods, the support loan shall be repayable over a period equal to the then remaining useful life of the project (as determined by the Secretary) or 10 years, whichever is shorter; and

(iv) commencing at the end of such last 12-month period, such loan shall bear interest at a rate determined by the Secretary of Energy (taking into consideration the current average market yield on outstanding marketable obligations of the United States with remaining periods to maturity comparable to the average maturities of such loans) plus not to exceed one per centum, as determined by the Secretary of Energy, and adjusted to the nearest one-eighth of one per centum.

(3) The amount of the loan payment to be disbursed under this subsection for any year with respect to each type of biomass energy produced and sold by an existing municipal waste energy project shall be equal to—

(A)(i) the standard support price reduced by the cost of the fuel displaced by the biomass energy sold, or (ii) \$2.00, whichever is lower, multiplied by

(B) the amount of such biomass energy sold (in millions of Btu's).

(b)(1) In the case of any new municipal waste energy project which produces and sells biomass energy, the Secretary of Energy may commit to make, and make, a price support loan in amounts determined in accordance with the provisions of subsection (a), except as provided in paragraph (2).

(2) In the case of any loan under this subsection for a new municipal waste energy project—

(A) disbursements under such loan may not be made for more than 7 consecutive 12-month periods (with reductions as provided in subsection (a)(2)(A)(ii));

(B) such loan shall bear interest at a rate not in excess of the rate prescribed under subsection (a); and

(C) the principal of or interest on such loan shall, in accordance with the support loan agreement, be repayable, commencing at the end of the last 12-month period covered by the support loan, over a period not in excess of the period equal to the then remaining useful life of the project (as determined by the Secretary) or 15 years, whichever is shorter.

(c)(1) In the case of any new municipal waste energy project which produces and sells biomass energy, the Secretary of Energy may commit to make, and make, a price guarantee for the operation of such project which guarantees that the price the owner or operator will receive for all or part of the production from that project shall not be less than a specified sales price determined as of the date of execution of the guarantee agreement.

(2)(A) No price guarantee under this section may be based upon a cost-plus arrangement, or variant thereof, which guarantees a profit to the owner or operator involved.

(B) The use of a cost-of-service pricing mechanism by a person pursuant to law, or by a regulatory body establishing rates for a

regulated person, shall not be deemed to be a cost-plus arrangement, or variant thereof, for purposes of subparagraph (A).

(3) In the case of any price guarantee under this subsection for a new municipal waste energy project—

(A) disbursements under such guarantee may not be made for more than 7 consecutive 12-month periods; and

(B) amounts paid under this subsection may be required to be repaid to the Secretary of Energy under such terms and conditions as the Secretary may prescribe, including interest at a rate not in excess of the rate prescribed under subsection (a).

(d) For purposes of this section—

(1) The term “new municipal waste energy project” means any municipal waste energy project which—

(A) is initially placed in service after the date of the enactment of this Act; or

(B) if initially placed in service before such date, has an increased capacity by reason of additional construction, and as such is placed in service after such date.

(2) The term “existing municipal waste energy project” means any municipal waste energy project which is not a new municipal waste project.

(3) The term “placed in service” means operated at more than 50 percent of the estimated operational capacity.

(4)(A) Except as provided in subparagraphs (B) and (C), the term “standard support price” means the average price (per million Btu’s) for No. 6 fuel oil imported into the United States on the date of the enactment of this Act, as determined, by rule, by the Secretary of Energy not later than 90 days after the date of the enactment of this Act.

(B) In any case in which the fuel displaced is No. 6 fuel oil or any higher grade of petroleum (as determined by the Secretary of Energy), the term “standard support price” means 125 per centum of the price determined by rule under subparagraph (A).

(C) In any case in which biomass energy produced and sold by a project is steam or electricity, the term “standard support price” means the price determined by rule under subparagraph (A), subject to such adjustments as the Secretary of Energy may authorize by rule.

(5) The term “cost of the fuel displaced” means the cost of the fuel (per million Btu’s) which the purchaser of biomass energy would have purchased if the biomass energy had not been available for sale to that purchaser.

(6) Any biomass energy produced by a municipal waste energy project which may be retained for use by the owner or operator of such project shall be considered to be sold at such price as the Secretary of Energy determines.

(7) Not later than 90 days after the date of the enactment of this Act, the Secretary of Energy shall prescribe, by rule, the manner of determining the fuel displaced by the sale of any biomass energy, and the price of the fuel displaced.

【42 U.S.C. 8834】

GENERAL REQUIREMENTS REGARDING FINANCIAL ASSISTANCE

SEC. 235. (a)(1) Priority for financial assistance under the provisions of sections 232, 233, and 234, and the most favorable financial terms available, shall be provided for any municipal waste energy project that will—

- (A) produce a liquid fuel from municipal waste; or
- (B) will displace petroleum or natural gas as a fuel.

(2)(A) With respect to projects producing biomass energy other than biomass fuel, financial assistance under the provisions of sections 232, 233, and 234 shall be available only if the Secretary of Energy finds that the project does not use petroleum or natural gas except for flame stabilization or start-up.

(B) With respect to projects producing biomass fuel, financial assistance under such provisions shall be available to such project only if the Secretary of Energy finds that the Btu content of the biomass fuel produced substantially exceeds the Btu content of any petroleum or natural gas used in the project to produce the biomass fuel.

(3) Financial assistance may not be provided under section 232, 233, or 234 unless the Secretary of Energy finds that necessary municipal waste feedstocks are available and it is reasonable to expect they will continue to be available for the expected economic life of the project.

(4) In providing financial assistance under section 232, 233, or 234, the Secretary of Energy shall give due consideration to promoting competition.

(5) In determining the amount of financial assistance for any municipal waste energy project which will yield byproducts in addition to biomass energy, the Secretary shall consider the value of such byproducts and the costs attributable to their production.

(6) The Secretary of Energy shall not provide financial assistance under section 232, 233, or 234 for any municipal waste energy unless the Secretary determines—

- (A) the project will be technically and economically viable;
- (B) the financial assistance provided encourages and supplements, but does not compete with nor supplant, any private capital investment which otherwise would be available to the proposed municipal waste energy project on reasonable terms and conditions which would permit such project to be undertaken;

(C) assurances are provided that the project will not use, in any substantial quantities, waste paper which would otherwise be recycled for a use other than as a fuel and will not substantially compete with facilities in existence on the date of the financial assistance which are engaged in the separation or recovery of reuseable materials from municipal waste; and

(D) that the amount of financial assistance provided for the project is not greater than is necessary to achieve the purposes of this title.

(b) Financial assistance may not be provided under section 232, 233, or 234 unless the Secretary of Energy determines that—

- (1) the terms, conditions, maturity, security and schedule and amounts of repayments with respect to such assistance are

reasonable and meet such standards as the Secretary determines are sufficient to protect the financial interests of the United States; and

(2) the person receiving such financial assistance will bear a reasonable degree of risk with respect to the project.

(c)(1) No financial assistance may be provided to any person under section 232, 233, or 234 unless an application therefor—

(A) has been submitted to the Secretary of Energy by such person in such form and under such procedures as the Secretary shall prescribe, consistent with the requirements of this subtitle, and

(B) has been approved by the Secretary in accordance with such procedures.

(2) Each such application shall include information regarding the construction costs of the municipal waste energy project involved (if appropriate), and estimates of operating costs and income relating to that project (including the sale of any byproducts from that project). In addition, each applicant shall provide—

(A) access at reasonable times to such other information, and

(B) such assurances, as the Secretary of Energy may require.

(d)(1) Every person receiving financial assistance under section 232, 233, or 234 shall, as a condition precedent thereto, consent to such examinations and reports thereon regarding the municipal waste energy project involved as the Secretary of Energy may require.

(2) With respect to each municipal waste energy project for which financial assistance is provided under section 232, 233, or 234, the Secretary shall—

(A) require from the recipient of financial assistance such reports and records relating to that project as the Secretary deems necessary;

(B) prescribe the manner in which such recipient shall keep such records; and

(C) have access to such records at reasonable times for the purpose of ensuring compliance with the terms and conditions upon which financial assistance is provided.

(e) All amounts received by the Secretary of Energy as fees, interest, repayment of principal, and any other moneys received by the Secretary from operations under section 232, 233, or 234 shall be deposited in the general fund of Treasury of the United States as miscellaneous receipts.

(f) All contracts and instruments of the Secretary of Energy to provide, or providing, for financial assistance shall be general obligations of the United States backed by its full faith and credit.

(g) Subject to the conditions of any contract for financial assistance, such contract shall be incontestable in the hands of the holder, except as to fraud or material misrepresentation on the part of the holder.

(h) Notwithstanding the provisions of the Federal Financing Bank Act of 1973 (12 U.S.C. 2281 et seq.) or any other provision of law (except as may be specifically provided by reference to this subsection in any Act enacted after the date of the enactment of

this Act), no debt obligation which is made or committed to be made, or which is guaranteed or committed to be guaranteed by the Secretary of Energy under section 232, 233, or 234 shall be eligible for purchase by, or commitment to purchase by, or sale or issuance to, the Federal Financing Bank or any Federal agency.

[42 U.S.C. 8835]

FINANCIAL ASSISTANCE PROGRAM ADMINISTRATION

SEC. 236. The Secretary of Energy shall establish procedures and take such other actions as may be necessary regarding the solicitation, review, and evaluation of applications, and awarding of financial assistance under section 232, 233, or 234 as may be necessary to carry out the plan established under section 231.

[42 U.S.C. 8836]

COMMERCIALIZATION DEMONSTRATION PROGRAM PURSUANT TO FEDERAL NONNUCLEAR ENERGY RESEARCH AND DEVELOPMENT ACT OF 1974

SEC. 237. (a)(1) The Secretary of Energy shall establish and conduct, pursuant to the authorities contained in the Federal Non-nuclear Energy Research and Development Act of 1974, an accelerated research, development, and demonstration program for promoting the commercial viability of processes for the recovery of energy from municipal wastes.

(2) The provisions of subsections (d), (m), and (x)(2) of section 19 of such Act shall not apply with respect to the program established under this section.

(3) As part of the program established under this section, the Secretary, after consulting with the Administrator of the Environmental Protection Agency and the Secretary of Commerce, shall undertake—

(A) the research, development, and demonstration of technologies to recover energy from municipal wastes;

(B) the development and application of new municipal waste-to-energy recovery technologies;

(C) the assessment, evaluation, demonstration, and improvement of the performance of existing municipal waste-to-energy recovery technologies with respect to capital costs, operating and maintenance costs, total project financing, recovery efficiency, and the quality of recovered energy and energy intensive materials;

(D) the evaluation of municipal waste energy projects for the purpose of developing a base of engineering data that can be used in the design of future municipal waste energy projects to recover energy from municipal wastes; and

(E) research studies on the size and other significant characteristics of potential markets for municipal waste-to-energy recovery technologies, and recovered energy, and energy intensive materials.

(b) Under such program, the Secretary of Energy may provide financial assistance consisting of price supports, loans, and loan guarantees, for the cost of planning, designing, constructing, operating, and maintaining demonstration facilities, and, in the case of

existing facilities, modifications of such facilities solely for demonstration purposes, for the conversion of municipal wastes into energy or the recovery of materials.

(c) Priority for funding of activities under subsection (a) and financial assistance under subsection (b) shall be provided for any activity or project for the demonstration of technologies for the production of liquid fuels or biomass energy which substitute for petroleum or natural gas.

(d) The Secretary of Energy may not obligate or expend any funds authorized under this title in carrying out subsection (b) of this section until the plan required under section 231(a) has been prepared and submitted to the Congress.

(e) All amounts received by the Secretary of Energy as fees, interest, repayment of principal, and any other moneys received by the Secretary from operations under this section shall be deposited in the general fund of the Treasury of the United States as miscellaneous receipts.

【42 U.S.C. 8837】

JURISDICTION OF DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION AGENCY

SEC. 238. The provisions of section 20(c) of the Federal Non-nuclear Research and Development Act of 1974, relating to the responsibilities of the Environmental Protection Agency and the Department of Energy, shall apply with respect to actions under this subtitle to the same extent and in the same manner as such provisions apply to actions under section 20 of such Act.

【42 U.S.C. 8838】

ESTABLISHMENT OF OFFICE OF ENERGY FROM MUNICIPAL WASTE IN DEPARTMENT OF ENERGY

SEC. 239. (a) There is hereby established within the Department of Energy an Office of Energy from Municipal Waste (hereinafter in this section referred to as the "Office") to be headed by a Director, who shall be appointed by the Secretary of Energy.

(b) It shall be the function of the Office to perform—

(1) the research, development, demonstration, and commercialization activities authorized under this subtitle (including those authorized under section 237), and

(2) such other duties relating to the production of energy from municipal waste as the Secretary of Energy may assign to the Office.

(c) In carrying out functions transferred³ or assigned to the Office, the Secretary of Energy shall consult with the Administrator of the Environmental Protection Agency, the Secretary of Commerce, and the heads of such other Federal agencies, as appropriate.

(d) The Secretary shall provide for the transfer to the Office of the functions relating to, and personnel of the Department who are responsible for the administration of, programs in existence on the date of the enactment of this Act which relate to the research, de-

³ So in law. The word "tranferred" probably should read "transferred" (see 94 Stat. 705).

velopment, demonstration, and commercialization of technologies for the recovery of energy from municipal waste.

[42 U.S.C. 8839]

TERMINATION

SEC. 240. No financial assistance may be committed to or made under this subtitle after September 30, 1984. This section shall not be construed to affect the authority of the Secretary of Energy to spend funds after such date pursuant to any award of financial assistance made on or before that date.

[42 U.S.C. 8840]

SUBTITLE C—RURAL, AGRICULTURAL, AND FORESTRY BIOMASS ENERGY

MODEL DEMONSTRATION BIOMASS ENERGY FACILITIES

SEC. 251. (a) The Secretary of Agriculture shall establish not more than ten model demonstration biomass energy facilities for purposes of exhibiting the most advanced technology available for producing biomass energy. Such facilities and information regarding the operation of such facilities shall be available for public inspection, and, to the extent practicable, such facilities shall be established in various regions in the United States. Such facilities may be established in cooperation with appropriate departments or agencies of the States, or appropriate departments, agencies, or other instrumentalities of the United States.

(b) For purposes of carrying out subsection (a), there is authorized to be appropriated \$5,000,000 for each of the fiscal years 1981, 1982, 1983, and 1984.

[42 U.S.C. 8851]

BIOMASS ENERGY RESEARCH AND DEMONSTRATION PROJECTS

SEC. 252. [Amends the National Agricultural Research, Extension, and Teaching Policy Act of 1977.]

APPLIED RESEARCH REGARDING ENERGY CONSERVATION AND BIOMASS ENERGY PRODUCTION AND USE

SEC. 253. [Amends the Bankhead-Jones Act.]

FORESTRY ENERGY RESEARCH

SEC. 254. [Amends the Forest and Rangeland Renewable Resources Research Act of 1978.]

BIOMASS ENERGY EDUCATIONAL AND TECHNICAL ASSISTANCE

SEC. 255. [(a) Amends the National Agricultural Research, Extension, and Teaching Policy Act of 1977.]

RURAL ENERGY EXTENSION WORK

SEC. 256. [Amends the Smith-Lever Act.]

COORDINATION OF RESEARCH AND EXTENSION ACTIVITIES

SEC. 257. (a) The Secretary of Agriculture shall coordinate the applied research and extension programs conducted under this subtitle and under the amendments made by this subtitle to section 1419 and subtitle B of the National Agricultural Research, Extension, and Teaching Policy Act of 1977, section 1 of the Bankhead-Jones Act, section 3 of the Forest and Rangeland Renewable Resources Research Act of 1978, and sections 1 and 2 of the Smith-Lever Act with the programs of the Department of Energy.

(b) In carrying out this subtitle and the amendments made by this subtitle, the Secretary of Agriculture shall consult on a continuing basis with—

(1) the Subcommittee on Food, Agricultural, and Forestry Research of the Federal Coordinating Council for Science, Engineering, and Technology;

(2) the Joint Council on Food and Agricultural Sciences; and

(3) the National Agricultural Research and Extension Users Advisory Board;

for the purpose of coordinating research and extension activities.

【42 U.S.C. 8852】

LENDING FOR ENERGY PRODUCTION AND CONSERVATION PROJECTS BY PRODUCTION CREDIT ASSOCIATIONS, FEDERAL LAND BANKS, AND BANKS FOR COOPERATIVES

SEC. 258. The Farm Credit Administration shall encourage production credit associations, Federal land banks, and banks for cooperatives to use existing authorities to make loans to eligible persons for commercially feasible biomass energy projects.

【42 U.S.C. 8853】

AGRICULTURAL CONSERVATION PROGRAM; ENERGY CONSERVATION COST SHARING

SEC. 259. 【Amends the Soil Conservation and Domestic Allotment Act.】

PRODUCTION OF COMMODITIES ON SET-ASIDE ACREAGE

SEC. 260. 【Amends the Food and Agriculture Act of 1977.】

UTILIZATION OF NATIONAL FOREST SYSTEM IN WOOD ENERGY DEVELOPMENT PROJECTS

SEC. 261. The Secretary of Agriculture may make available the timber resources of the National Forest System, in accordance with appropriate timber appraisal and sale procedures, for use by biomass energy projects.

【42 U.S.C. 8854】

FOREST SERVICE LEASES AND PERMITS

SEC. 262. It is the intent of the Congress that the Secretary of Agriculture shall process applications for leases of National Forest System lands and for permits to explore, drill, and develop re-

sources on land leased from the Forest Service, notwithstanding the current status of any plan being prepared under section 6 of the Forest and Rangeland Renewable Resources Planning Act of 1974 (16 U.S.C. 1604).

【42 U.S.C. 8855】

SUBTITLE D—MISCELLANEOUS BIOMASS PROVISIONS

USE OF GASOHOL IN FEDERAL MOTOR VEHICLES

SEC. 271. (a) The President shall, by executive order, require that motor vehicles which are owned or leased by Federal agencies and are capable of operating on gasohol shall use gasohol where available at reasonable prices and in reasonable quantities.

(b) The President may provide for exceptions to the requirement of subsection (a) where necessary, including to protect the national security.

(c) Such executive order shall specify the alcohol-gasoline mixture or mixtures which shall constitute “gasohol” for purposes of such order, as well as specifications for its use.

【42 U.S.C. 8871】

MOTOR VEHICLE ALCOHOL USAGE STUDY

SEC. 272. The Secretary of Energy shall, in consultation with the Secretary of Transportation, submit to the Congress within 9 months after the date of the enactment of this Act a report on—

(1) the need for, and practicality of, mandating through legislation that any new motor vehicle sold in the United States shall be capable of using alcohol as a motor fuel in specified alcohol-gasoline mixtures, or using alcohol as the only fuel;

(2) the need for any other legislation to address technical or institutional barriers to the widespread marketing of alcohol, including requirements that would mandate specified proportions of alcohol in all motor gasoline sold; and

(3) any other aspects of the use of alcohol as a motor fuel, as the Secretary considers appropriate.

NATURAL GAS PRIORITIES

SEC. 273. For the purposes of section 401 of the Natural Gas Policy Act of 1978 (Public Law 95–621), the term “essential agricultural use” shall—

(1) include use of natural gas in sugar refining for production of alcohol;

(2) include use of natural gas for agricultural production on set-aside acreage or acreage diverted from the production of a commodity (as provided under the Agricultural Act of 1949) to be devoted to the production of any commodity for conversion into alcohol or hydrocarbons for use as motor fuel or other fuels; and

(3) for the 5-year period beginning on the date of the enactment of this Act, include use of natural gas in the distillation of fuel-grade alcohol from food grains or other biomass by

facilities in existence on the date of the enactment of this Act which do not have the installed capability to burn coal lawfully.

【15 U.S.C. 3391a】

STANDBY AUTHORITY FOR ALLOCATION OF ALCOHOL FUEL

SEC. 274. 【Amends the Emergency Petroleum Allocation Act of 1973.】

【Title III repealed】

TITLE IV—RENEWABLE ENERGY INITIATIVES

SHORT TITLE

SEC. 401. This title may be cited as the “Renewable Energy Resources Act of 1980”.

【42 U.S.C. 7371 note】

PURPOSE

SEC. 402. The purpose of this title is to establish incentives for the use of renewable energy resources, to improve and coordinate the dissemination of information to the public with respect to renewable energy resources, to encourage the use of certain cost effective solar energy systems and conservation measures by the Federal Government, to establish a program for the promotion of local energy self-sufficiency, to broaden the existing program for accelerating the procurement and use of photovoltaic systems, and to provide further encouragement for the development of small hydroelectric power projects.

【42 U.S.C. 7371】

DEFINITIONS

SEC. 403. For purposes of this title—

(1) the term “Secretary” means the Secretary of Energy; and

(2) the term “renewable energy resource” means any energy resource which has recently originated in the sun, including direct and indirect solar radiation and intermediate solar energy forms such as wind, ocean thermal gradients, ocean currents and waves, hydropower, photovoltaic energy, products of photosynthetic processes, organic wastes, and others.

【42 U.S.C. 7372】

COORDINATED DISSEMINATION OF INFORMATION ON RENEWABLE ENERGY RESOURCES AND CONSERVATION

SEC. 404. In order to improve the effectiveness of Federal information dissemination activities in the fields of renewable energy resources and energy conservation with the objective of developing and promoting better public understanding of these resources and their potential uses, the Secretary shall—

(1) take affirmative steps to coordinate all of the activities of the Department of Energy, whether conducted by the Department itself or by other public or private entities with assistance from the Department, which are aimed at or involve the dissemination of information with respect to renewable energy resources on energy conservation, and

(2) report annually to the Congress on the status of such activities, including a description of how the information dissemination activities and services of the Department of Energy in the fields of renewable energy resources and energy conservation are being coordinated with similar or related activities and services of other Federal agencies.

【42 U.S.C. 7373】

ESTABLISHMENT OF LIFE-CYCLE ENERGY COSTS FOR FEDERAL BUILDINGS

SEC. 405. 【Amends the National Energy Conservation Policy Act.】

ENERGY SELF-SUFFICIENCY INITIATIVES

SEC. 406. (a) There is hereby established under the direction of the Secretary a 3-year pilot energy self-sufficiency program to demonstrate energy self-sufficiency through the use of renewable energy resources in one or more States in the United States.

(b) As a part of the pilot program, the Secretary shall establish such subprograms as the Secretary determines are necessary to achieve the purpose of this section, including subprograms—

(1) to promote the development and utilization of synergistic combinations of different renewable energy resources in specific projects aimed at reducing fossil fuel importation;

(2) to initiate and encourage energy self-sufficiency at appropriate levels of government;

(3) to stimulate private industry participation in the realization of the objective stated in subsection (a); and

(4) to stimulate the utilization of abandoned or underutilized industrial facilities for the generation of energy from any locally available renewable resource, such as municipal solid waste, agricultural waste, or forest products waste.

(c) In carrying out the provisions of this section, the Secretary is authorized to assign to an existing office in the Department of Energy the responsibility of undertaking and carrying out the subprograms established under subsection (b). In addition, the Secretary shall prepare a detailed plan within one hundred eighty days of the enactment of this Act, setting forth (1) the 3-year pilot program itself, and (2) any additional Federal actions needed to encourage and promote the adoption of programs for energy self-sufficiency.

(d) The Secretary shall submit to the Congress, within 1 year after the date of the enactment of this Act, the plan prepared under the second sentence of subsection (c) along with a report suggesting the legislative initiatives needed to fully implement such plan.

【42 U.S.C. 7374】

PHOTOVOLTAIC AMENDMENTS

SEC. 407. **【Amends the Federal Photovoltaic Utilization Act.】**

SMALL-SCALE HYDROPOWER INITIATIVES

SEC. 408. **【Subsections (a)–(c) amend the Public Utility Regulatory Policies Act of 1978.】**

(d) The Secretary shall take such action as may be necessary to assure the establishment, as soon as possible after the date of the enactment of this Act (and in any event within six months after such date in the case of the amendments made by subsections (a) and (c) of this section and in the case of the loan program under section 403 of the Public Utility Regulatory Policies Act of 1978), of such rules and regulations as may be necessary to fully implement his responsibilities under title IV of the Public Utility Regulatory Policies Act of 1978 and the amendments thereto made by this section.

(e) Not later than three months after the date of the enactment of this Act, the Secretary shall complete a study of the existing Federal programs and policies relating to the development and commercialization of small-scale hydropower, including (1) a survey and description of such Federal programs and policies, (2) an assessment of the efficacy of such Federal programs and related policies, and (3) an identification of any need for consolidation, reorganization, or change in such programs and policies in order to improve and insure their effectiveness.

AUTHORIZATIONS OF APPROPRIATIONS

SEC. 409. (a) There is authorized to be appropriated for each of the fiscal years 1981 and 1982 not to exceed \$10,000,000 for loans under section 402 of the Public Utility Regulatory Policies Act of 1978, in addition to any amounts authorized for such loans by that Act; and the amounts appropriated pursuant to this subsection shall remain available until expended.

(b) There is authorized to be appropriated for each of the fiscal years 1981 and 1982 not to exceed \$100,000,000 for loans under section 403 of the Public Utility Regulatory Policies Act of 1978; and the amounts appropriated pursuant to this subsection shall remain available until expended.

(c) There is authorized to be appropriated for the fiscal year 1981 not to exceed \$10,000,000 to carry out section 406 of this Act (relating to energy self-sufficiency initiatives).

【42 U.S.C. 7375】

TITLE V—SOLAR ENERGY AND ENERGY CONSERVATION

SHORT TITLE

SEC. 501. This title may be cited as the “Solar Energy and Energy Conservation Act of 1980”.

【12 U.S.C. 3601 note】 **【Subtitle A was repealed by section 912(i)(1) of the Housing and Community Development Act of 1992 (P.L. 102–550).】**

SUBTITLE B—UTILITY PROGRAM

【Sections 541 through 547 and section 550 of this subtitle amend sections 210, 213, 215, 216, and 220 of the National Energy Conservation Policy Act.】

UNFAIR COMPETITIVE PRACTICES

SEC. 548. Nothing in any amendment made by this subtitle shall be construed to—

(1) bar any person from taking any action with respect to any anticompetitive act or practice related to activities conducted under any program established under this title; or

(2) convey to any person immunity from civil or criminal liability, create defenses to actions under antitrust laws, or modify or abridge any private right of action under such laws.

【42 U.S.C. 8211 note】

EFFECTIVE DATE

SEC. 549. (a) The amendments made by this subtitle shall become effective on the date of the enactment of this Act.

(b) As soon as practicable, but in no event later than 120 days after such date of enactment, the Secretary shall promulgate rules amending the regulations under section 212 of the National Energy Conservation Policy Act so that the amendments made by this subtitle will be carried out.

(c) The provisions of section 218 of the National Energy Conservation Policy Act shall apply with respect to temporary programs proposed under such section after the effective date of this subtitle; except that, for the purposes of the application described in the first sentence of such section, the phrase “180 days after the promulgation of rules pursuant to section 212” shall refer to 180 days after the promulgation of rules required by subsection (b).

(d) Nothing in this Act shall have the effect of delaying the date required for submission and approval or disapproval of residential energy conservation plans meeting the requirements of the National Energy Conservation Policy Act in effect before the enactment of this Act.

【42 U.S.C. 8211 note】

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SUBTITLE C—RESIDENTIAL ENERGY EFFICIENCY PROGRAM

PURPOSE

SEC. 561. It is the purpose of this subtitle—

(1) to establish a program under which the Secretary of Energy may provide assistance to State and local governments to encourage up to four demonstration programs that make energy conservation measures available without charge to residential property owners and tenants under a plan designed to maximize the energy savings available in residential buildings in designated areas; and

(2) to demonstrate through such program prototype residential energy efficiency plans under which State and local governments, State regulatory authorities, and public utilities may participate in a cooperative manner with public or private entities to install energy conservation measures in the greatest possible number of residential buildings within their respective jurisdictions or service areas.

【42 U.S.C. 8235 note】

AMENDMENT TO THE NATIONAL ENERGY CONSERVATION POLICY ACT

SEC. 562. 【This section added a new part 5 of title II of the National Energy Conservation Policy Act.】

AMENDMENT TO THE TABLE OF CONTENTS

SEC. 563. 【This section added after the item relating to section 255 a new part 5 (items relating to sections 261 through 270) to the table of contents of the National Energy Conservation Policy Act.】

SUBTITLE D—ENERGY CONSERVATION FOR COMMERCIAL BUILDINGS AND MULTIFAMILY DWELLINGS

AMENDMENT TO THE NATIONAL ENERGY CONSERVATION POLICY ACT

SEC. 565. 【This section added a new title VII to the National Energy Conservation Policy Act.】

AMENDMENT TO THE TABLE OF CONTENTS

SEC. 566. 【This section added at the end a new title VII (items relating to section 710 through 741) to the table of contents of the National Energy Conservation Policy Act.】

SUBTITLE E—WEATHERIZATION PROGRAM

【This subtitle made amendments to the Energy Conservation in Existing Buildings Act (title IV of the Energy Conservation and Production Act).】

SUBTITLE F—ENERGY AUDITOR TRAINING AND CERTIFICATION

PURPOSE

SEC. 581. It is the purpose of this subtitle to encourage the training and certification of individuals to conduct energy audits for residential and commercial buildings in order to serve the various private and public needs of the Nation for energy audits.

【42 U.S.C. 8285】

DEFINITIONS

SEC. 582. For the purposes of this subtitle—

(1) the term “Governor” means the chief executive officer of each State, including the Mayor of the District of Columbia;

(2) the term “State” means any of the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, and the Northern Mariana Islands;

(3) the term “energy audit” means an inspection as described in section 215 (b)(1)(A) of the National Energy Conservation Policy Act, or an energy audit as defined in section 710(b)(7) of such Act, which in addition may provide information on the utilization of renewable resources and may make energy-related improvements in the building; and

(4) the term “Secretary” means the Secretary of Energy.

【42 U.S.C. 8285a】

GRANTS

SEC. 583. (a) The Secretary may make grants to any Governor of a State for the training and certification of individuals to conduct energy audits.

(b) Before making a grant under subsection (a) to a Governor, the Secretary must receive from the Governor an application containing—

(A) any information which the Secretary deems is necessary to carry out this subtitle; and

(B) an assurance that the grant will supplement and not supplant other funds available for such training and certification and will be used to increase the total amount of funds available for such training and certification.

(c)(1) Before making any grant under subsection (a) the Secretary shall establish minimum standards for the training and certification of individuals to conduct energy audits.

(2) The Secretary shall require each Governor receiving any grant under this subtitle to agree to meet the standards established pursuant to paragraph (1) in any training and certification conducted using funds provided under this subtitle.

【42 U.S.C. 8285b】

AUTHORIZATION OF APPROPRIATIONS

SEC. 584. (a) To carry out this subtitle there is authorized to be appropriated the sum of \$10,000,000 for the fiscal year ending on September 30, 1981, and the sum of \$15,000,000 for the fiscal year ending on September 30, 1982.

(b) Any funds appropriated under the authorization contained in this section shall remain available until expended.

【42 U.S.C. 8285c】

SUBTITLE G—INDUSTRIAL ENERGY CONSERVATION

AUTHORIZATION OF APPROPRIATIONS

SEC. 591. To accelerate the program of the Department of Energy involving the research, development, and demonstration of energy conserving activities designed to substantially increase productivity in industry, there is authorized to be appropriated to the

Secretary of Energy for industrial energy conservation demonstration projects designed to substantially increase productivity in industry, in addition to any other sums which may be available for such purposes, the sum of \$40,000,000 for each of the fiscal years ending on September 30, 1981, and on September 30, 1982.

【42 U.S.C. 6347】

SUBTITLE H—COORDINATION OF FEDERAL ENERGY CONSERVATION
FACTORS AND DATA

CONSENSUS ON FACTORS AND DATA FOR ENERGY CONSERVATION
STANDARDS

SEC. 595. The Secretary of Energy shall assure that within 6 months after the date of the enactment of this Act, the Secretary of Energy, the Secretary of Housing and Urban Development, the Secretary of Agriculture, the Secretary of Health and Human Services, the Secretary of Defense, the Administrator of the General Services Administration, and the head of any other agency responsible for developing energy conservation standards for new or existing residential, commercial, or agricultural buildings shall reach a consensus regarding factors and data used to develop such standards. This consensus shall apply to, but not be limited to—

- (1) fuel price projections;
- (2) discount rates;
- (3) inflation rates;
- (4) climatic conditions and zones; and
- (5) the cost and energy saving characteristics of construction materials.

【42 U.S.C. 8286】

USE OF FACTORS AND DATA

SEC. 596. Factors and data consented to pursuant to section 595 may be revised and agreed to by a consensus of the heads of the various Federal agencies involved. Such factors and data shall be used by all Federal agencies in establishing and revising various energy conservation standards used by such agencies, except that other factors and data may be used with respect to the standards applicable to any program if—

- (1) the other factors and data are approved by the Secretary of Energy solely on the basis that such other factors and data are critical to meet the unique needs of the program concerned;
- (2) using the consented to factors and data would cause a violation of an express provision of law; or
- (3) statutory requirements or responsibilities require a modification of the consented to factors and data.

【42 U.S.C. 8286a】

REPORT

SEC. 597. The President shall report to the Congress on January 1, 1981, and annually thereafter, with respect to—

(1) the activities which have been carried out under this subtitle; and

(2) other efforts which are being carried out to coordinate the various Federal energy conservation programs.

【42 U.S.C. 8286b】

TITLE VI—GEOTHERMAL ENERGY

SHORT TITLE

SEC. 601. This title may be cited as the “Geothermal Energy Act of 1980”.

【30 U.S.C. 1501 note】

FINDINGS

SEC. 602. The Congress finds that—

(1) domestic geothermal reserves can be developed into regionally significant energy sources promoting the economic health and national security of the Nation;

(2) there are institutional and economic barriers to the commercialization of geothermal technology; and

(3) Federal agencies should consider the use of geothermal energy in the Government’s buildings.

【30 U.S.C. 1501】

SUBTITLE A—LOANS FOR GEOTHERMAL RESERVOIR CONFIRMATION

SEC. 611. (a) The Secretary of Energy (hereafter in this title referred to as the “Secretary”) is authorized to make a loan to any person, from funds appropriated (pursuant to this subtitle) to the Geothermal Resources Development Fund established under section 204 of the Geothermal Energy Research, Development, and Demonstration Act of 1974 (30 U.S.C. 1144), to assist such person in undertaking and carrying out a project which (1) is designed to explore for or determine the economic viability of a geothermal reservoir and (2) consists of surface exploration and the drilling of one or more exploratory wells.

(b) Subject to subsection (c) and to section 613(b), any loan under subsection (a) shall be repayable out of revenue from production of the geothermal energy reservoir with respect to which the loan was made, at a rate, in any year, not to exceed 20 per centum of the gross revenue from the reservoir in that year; except that if any disposition of the geothermal rights to the reservoir is made to one or more other persons by the borrower, the full amount of the loan balance outstanding, or so much of the loan balance outstanding as is equal to the full amount of the compensation realized by the borrower upon such disposition, whichever is less, shall be repaid immediately. In any case where the reservoir is confirmed (as determined by the Secretary), the Secretary may impute a reasonable revenue for purposes of determining repayment if—

(1) reasonable efforts are not made to put such reservoir in commercial operation,

(2) the borrower (or any such other person) utilizes the resources of the reservoir without a sale of the energy or geothermal energy resources therefrom, or

(3) a sale of energy or geothermal energy resources from the reservoir is made for an unreasonably low price;

except that no such imputation of revenue shall be made during the three-year period immediately following such reservoir confirmation. In the event of failure to begin production of revenue (or, where no sale of energy or geothermal energy resources is made, to begin production of energy for commercial use) within five years after the date of such reservoir confirmation, the Secretary may take action to recover the value, not to exceed the amount of the unpaid balance of the loan plus any accrued interest thereon, of any assets of the project in question, including resource rights.

(c) The Secretary may at any time cancel the unpaid balance and any accrued interest on any loan made under this section if he determines, on the basis of evidence presented by the loan recipient or otherwise, that the geothermal energy reservoir with respect to which the loan was made has characteristics which make that reservoir economically or technically unacceptable for commercial development.

(d) As used in this subtitle, the term "person" includes municipalities, electric cooperatives, industrial development agencies, non-profit organizations, and Indian tribes, as well as the entities included within such term under 1 U.S.C. 1.

[30 U.S.C. 1511]

LOAN SIZE LIMITATION

SEC. 612. The amount of any loan made under section 611(a) with respect to a project described in that section shall not exceed 50 percent of the cost of such project; except that if the loan is made to a person proposing to make application of the resources of the reservoir involved primarily for space heating or cooling or process heat for one or more structures or facilities then existing or under construction, the loan may be in any amount up to 90 percent of such cost. In any event no loan shall be made in an amount in excess of \$3,000,000.

[30 U.S.C. 1512]

LOAN RATE AND REPAYMENT

SEC. 613. (a) Each loan made under section 611 shall bear interest at a discount or interest rate equal to the rate in effect (at the time the loan is made) for water resources planning projects under section 80 of the Water Resources Development Act of 1974 (42 U.S.C. 1962(d)-17(a)).

(b) Each such loan shall be for a term which the Secretary deems appropriate, except that no loan term shall exceed twenty years beyond the date on which production of energy or geothermal energy resources begins from the reservoir involved. If revenues are inadequate (as determined by the Secretary) to fully repay the principal and accrued interest within twenty years after production begins, any remaining unpaid amounts shall be forgiven.

【30 U.S.C. 1513】

PROGRAM TERMINATION

SEC. 614. No new loans shall be made under this subtitle after September 30, 1986. Amounts repaid on or before September 30, 1986, on loans theretofore made under section 611 shall be deposited in the Geothermal Resources Development Fund for purposes of this subtitle. Amounts repaid after that date on loans theretofore made under section 611, and amounts deposited in the Fund for purposes of this subtitle which remain in the Fund after that date and are not required to secure outstanding obligations under this subtitle, shall be deposited into the United States Treasury as miscellaneous receipts.

【30 U.S.C. 1514】

REGULATIONS

SEC. 615. The Secretary shall promulgate regulations to carry out this subtitle no later than six months after the date of the enactment of this Act.

【30 U.S.C. 1515】

AUTHORIZATIONS

SEC. 616. There are hereby authorized to be appropriated for loans under this subtitle not to exceed \$5,000,000 for fiscal year 1981, and not to exceed \$20,000,000 for each of the four succeeding fiscal years. Amounts so appropriated shall be deposited in the Geothermal Resources Development Fund for purposes of this subtitle, and shall remain available for such purposes until expended.

【30 U.S.C. 1516】

SUBTITLE B—RESERVOIR INSURANCE PROGRAM STUDY

SEC. 621. The Secretary shall conduct a detailed study of the need for and feasibility of establishing a reservoir insurance and reinsurance program incorporating the terms, conditions, and provisions set forth in section 622, and shall submit to the Congress within one year after the date of the enactment of this Act a report on the results of such study including his findings and recommendations with respect thereto.

【30 U.S.C. 1521】

ESTABLISHMENT OF PROGRAM

SEC. 622. (a) If the report of the Secretary submitted pursuant to section 621 affirmatively recommends the establishment of the program and the Congress by law (after review of such recommendation) specifically authorizes the establishment of the program, the Secretary shall establish and implement within six months after the date of the enactment of such authorization a program, in cooperation with the insurance and reinsurance industry, to provide reservoir insurance to qualified eligible applicants in accordance with this section.

(b) For the purpose of this section—

(1) the term “investment” means the expenditure of, and any irrevocable legal obligation to expend, funds (together with the reasonable interest costs thereof) for the purchase or construction of machinery, equipment, and facilities manufactured, or for services contracted to be furnished, for the development and utilization of a geothermal resource in the United States to provide energy in the form of heat for direct use or for generation of electricity;

(2) the term “geothermal resource” means a resource in the United States including (A) all products of geothermal processes embracing indigenous steam, hot water, and hot brines; (B) steam and other gases, hot water and hot brines resulting from water, gas, or other fluids artificially introduced into geothermal formations; (C) heat or other associated energy found in geothermal formations; and (D) any byproducts derived from them, where “byproduct” means any mineral or minerals (exclusive of oil, hydrocarbon gas, and helium) which are found in solution or in association with other geothermal resources and which have a value of less than 75 per centum of the value of the geothermal steam or are not, because of quantity, quality, or technical difficulties in extraction and production, of sufficient value to warrant extraction and production by themselves;

(3) the term “risk” means the hazard that a reservoir of geothermal resources will cease to provide sufficient quantities of geothermal resources at minimum conditions required to maintain an economically or technically viable operation for utilization of the geothermal resource;

(4) the term “reasonable premiums” means premium amounts determined by the Secretary to be reasonable in light of the amount of investment subject to the risk and premiums charged in similar or analogous situations by private insurers where private insurance is concerned and by insurers or guarantors, both public and private, where public insurance is concerned;

(5) the term “other insurance” means any combination of private or public insurance other than investment insurance provided by the Secretary under this section;

(6) the term “reservoir” means the physical subsurface geologic structure which forms the natural repository for the undisturbed geothermal resource; and

(7) the term “person” means any public or private agency, institution, association, partnership, corporation, political subdivision, or other legal entity which is a United States citizen as determined by application of the test for United States citizenship contained in section 2(a)–(c) of the Shipping Act, 1916 (46 U.S.C. 802), or in the first sentence of section 27A of the Merchant Marine Act, 1920 (46 U.S.C. 883–1(a)–(e)).

(c) Any person with a total direct investment of not less than \$1,000,000 in the development and use, not including exploration and testing, of a geothermal resource associated with a reservoir, and unable to obtain other insurance at reasonable premiums for the amount of the investment subject to risk, as determined by the

Secretary under this section, shall be eligible for investment insurance.

(d) Any eligible person seeking investment insurance under this section shall file an application with the Secretary setting forth (1) the total amount of the contemplated investment in a geothermal resource and associated reservoir; (2) the views of the applicant concerning the nature and extent of the risk, including a geologic, engineering, and financial assessment based on site specific results of exploration and testing of the geothermal resource and the reservoir, stated with as much specificity as is possible; (3) the status of all required Federal, State, and local approvals, permits, and leases for the proposed development and utilization operations at the site; (4) the extent to which the applicant has been able to obtain other insurance against the risk; and (5) such other information as the Secretary may require.

(e) Unless the Secretary determines the risk proposed by the applicant is unreasonable, the Secretary, within ninety days after receipt of a satisfactory application, shall determine in writing and submit to the applicant (1) the risk which may cause loss of investment for the applicant; (2) the total investment subject to the risk; (3) the amount of the other insurance which is available at reasonable premiums for the purpose of indemnifying the applicant against the risk; (4) the amount of investment insurance available pursuant to this section, which shall be the difference between the total investment subject to the risk and the total other insurance determined to be available at reasonable premiums, but not in excess of the lesser of 90 per centum of, or \$50,000,000 of, the loss of investment subject to the risk; and (5) any reasonable terms and conditions necessary for the prudent administration of the program, including reasonable premiums for the insurance pursuant to this section (which shall be deposited in the Geothermal Resources Development Fund).

(f) The Secretary, within ninety days after making and submitting the determinations under subsection (e), and upon agreement of the applicant to such determinations, shall issue a certificate of insurance containing such terms and conditions as the Secretary shall specify, which shall not be transferable without the express approval of the Secretary for good cause shown, and shall execute a contract with the applicant setting forth the terms and conditions of the investment insurance and such other provisions as may be necessary to protect the interests of the United States, including provisions with respect to the ownership, use, and disposition of any currency, credits, assets, or investments on account of which payment under such insurance is to be made and any right, title, claim, or course of action existing in relation thereto.

(g) Any holder of a certificate of insurance pursuant to subsection (f) who claims a loss of value of his investment by reason of the specified risk shall receive compensation, to the extent the Secretary determines that the holder is eligible to receive compensation pursuant to the certificate and the contract, in the amount of the loss incurred by the holder which is subject to insurance and for which the holder has not received and will not receive compensation from other insurance.

(h) Any compensation received by the holder shall be withdrawn from the Geothermal Resources Development Fund. The full faith and credit of the United States is hereby pledged to the payment of any compensation under this section.

(i) A person shall not be denied insurance pursuant to this section solely because such person is the recipient of other Federal assistance under this or any other Act.

(j) There may be appropriated to the Geothermal Resources Development Fund (established pursuant to section 204 of the Geothermal Energy Research, Development and Demonstration Act of 1974 (30 U.S.C. 1144)), for purposes of this section, such amounts as are authorized for such purposes in the law referred to in subsection (a) or in other legislation hereafter enacted.

(k) The Secretary may enter into agreements to reinsure any private insurer for any risk associated with insurance for the development and utilization of a geothermal resource and associated reservoir, using the procedures set forth in subsections (c) through (i), to the extent that he deems it appropriate in order to provide an incentive for the participation of the private insurance industry in geothermal development; and he may also use any other available authority to obtain such participation. The Secretary shall submit a report to the Congress, within one year after the enactment of the law referred to in subsection (a), on the need for any additional authority to obtain such participation.

[30 U.S.C. 1522]

SUBTITLE C—FEASIBILITY STUDY LOAN PROGRAM

SEC. 631. (a) The Secretary is authorized and directed to establish a program of assistance for the accelerated development of geothermal resources for nonelectric applications by geothermal utility districts, geothermal industrial development districts, and other persons.

(b)(1) In providing assistance under the program established pursuant to subsection (a), the Secretary is authorized to make a loan to any person to defray up to 90 per centum of the costs of (A) studies to determine the feasibility of any geothermal development described in such subsection, and (B) preparing applications for any necessary licenses or other Federal, State, and local approvals respecting such development.

(2) The Secretary may cancel the unpaid balance and any accrued interest on any loan granted for a study pursuant to clause (A) of paragraph (1) if he determines, on the basis of the study, that the geothermal development is not technically or economically feasible.

(c) In providing assistance under such program, the Secretary is also authorized to make a loan to any person to defray up to 75 per centum of the costs directly related to the construction of a system or systems for nonelectric geothermal development pursuant to such subsection, where the Secretary finds that—

(1) all necessary licenses and other required Federal, State, and local approvals for construction of such system or systems have been or will be issued,

(2) the project involved will comply with all applicable laws relating to protection of the environment, and

(3) the applicant requires such assistance to undertake and complete the project.

(d) Each loan made pursuant to this section shall bear interest at a discount or interest rate equal to the rate in effect (at the time the loan is made) for water resources planning projects under section 80 of the Water Resources Development Act of 1974 (42 U.S.C. 1962(d)–17(a)). Each loan shall be for such term as the Secretary deems appropriate, but not in excess of ten years for loans under subsection (b) or thirty years for loans under subsection (c).

(e) Loans pursuant to this section shall be made from funds appropriated (pursuant to this subtitle) to the Geothermal Resources Development Fund established under section 204 of the Geothermal Energy Research, Development, and Demonstration Act of 1974 (30 U.S.C. 1144); and amounts repaid on such loans shall be deposited in the Geothermal Resources Development Fund for purposes of this subtitle.

(f) For loans under clause (A) of subsection (b)(1) for fiscal year 1981, there is authorized to be appropriated to the Geothermal Resources Development Fund not to exceed \$5,000,000, which shall remain available until expended. For loans under such clause (A) for subsequent fiscal years, and for loans under clause (B) of subsection (b)(1) or under subsection (c) (for any such subsequent fiscal year), there may be appropriated to such Fund only such sums as are authorized by legislation hereafter enacted.

(g) As used in this section, the term “person” includes municipalities, cooperatives, industrial development agencies, nonprofit organizations, and Indian tribes, as well as the districts referred to in subsection (a) and the other entities included within such term under 1 U.S.C. 1.

[30 U.S.C. 1531]

SUBTITLE D—AMENDMENTS TO GEOTHERMAL RESEARCH, DEVELOPMENT, AND DEMONSTRATION ACT

SEC. 641. [Amends the Geothermal Research, Development, and Demonstration Act of 1974.]

USE OF GEOTHERMAL ENERGY IN FEDERAL FACILITIES

SEC. 642. The option of using geothermal energy or geothermal energy resources shall be considered fully in any new Federal building, facility, or installation which is located in a geothermal resource area as designated by the Secretary.

[30 U.S.C. 1541]

AMENDMENTS TO FEDERAL POWER ACT AND PUBLIC UTILITY REGULATORY POLICIES ACT

SEC. 643. (a) [Amends the Federal Power Act.]

(b) [Amends the Public Utility Regulatory Policies Act of 1978.]

REGULATIONS

SEC. 644. All regulations made with respect to this subtitle shall be promulgated no later than six months after the date of the enactment of this Act.

【30 U.S.C. 1542】

TITLE VII—ACID PRECIPITATION PROGRAM AND CARBON DIOXIDE STUDY

SUBTITLE A—ACID PRECIPITATION

SHORT TITLE

SEC. 701. This title may be cited as the “Acid Precipitation Act of 1980”.

【42 U.S.C. 8901 note】

STATEMENT OF FINDINGS AND PURPOSE

SEC. 702. (a) The Congress finds and declares that acid precipitation resulting from other than natural sources—

(1) could contribute to the increasing pollution of natural and man-made water systems;

(2) could adversely affect agricultural and forest crops;

(3) could adversely affect fish and wildlife and natural ecosystems generally;

(4) could contribute to corrosion of metals, wood, paint, and masonry used in construction and ornamentation of buildings and public monuments;

(5) could adversely affect public health and welfare; and

(6) could affect areas distant from sources and thus involve issues of national and international policy.

(b) The Congress declares that it is the purpose of this subtitle—

(1) to identify the causes and sources of acid precipitation;

(2) to evaluate the environmental, social, and economic effects of acid precipitation; and

(3) based on the results of the research program established by this subtitle and to the extent consistent with existing law, to take action to the extent necessary and practicable (A) to limit or eliminate the identified emissions which are sources of acid precipitation, and (B) to remedy or otherwise ameliorate the harmful effects which may result from acid precipitation.

(c) For purposes of this subtitle the term “acid precipitation” means the wet or dry deposition from the atmosphere of acid chemical compounds.

【42 U.S.C. 8901】

INTERAGENCY TASK FORCE; COMPREHENSIVE PROGRAM

SEC. 703. (a) There is hereby established a comprehensive ten-year program to carry out the provisions of this subtitle; and to implement this program there shall be formed an Acid Precipitation Task Force (hereafter in this subtitle referred to as the “Task

Force”), of which the Secretary of Agriculture, the Administrator of the Environmental Protection Agency, and the Administrator of the National Oceanic and Atmospheric Administration shall be joint chairmen. The remaining membership of the Task Force shall consist of—

(1) one representative each from the Department of the Interior, the Department of Health and Human Services, the Department of Commerce, the Department of Energy, the Department of State, the National Aeronautics and Space Administration, the Council on Environmental Quality, the National Science Foundation, and the Tennessee Valley Authority;

(2) the director of the Argonne National Laboratory, the director of the Brookhaven National Laboratory, the director of the Oak Ridge National Laboratory, and the director of the Pacific Northwest National Laboratory; and

(3) four additional members to be appointed by the President.

(b) The four National Laboratories (referred to in subsection (a)(2)) shall constitute a research management consortium having the responsibilities described in section 704(b)(13) as well as the general responsibilities required by their representation on the Task Force. In carrying out these responsibilities the consortium shall report to, and act pursuant to direction from, the joint chairmen of the Task Force.

(c) The Administrator of the National Oceanic and Atmospheric Administration shall serve as the director of the research program established by this subtitle.

【42 U.S.C. 8902】

COMPREHENSIVE RESEARCH PLAN

SEC. 704. (a) The Task Force shall prepare a comprehensive research plan for the ten-year program (hereafter in this subtitle referred to as the “comprehensive plan”), setting forth a coordinated program (1) to identify the causes and effects of acid precipitation and (2) to identify actions to limit or ameliorate the harmful effects of acid precipitation.

(b) The comprehensive plan shall include programs for—

(1) identifying the sources of atmospheric emissions contributing to acid precipitation;

(2) establishing and operating a nationwide long-term monitoring network to detect and measure levels of acid precipitation;

(3) research in atmospheric physics and chemistry to facilitate understanding of the processes by which atmospheric emissions are transformed into acid precipitation;

(4) development and application of atmospheric transport models to enable prediction of long-range transport of substances causing acid precipitation;

(5) defining geographic areas of impact through deposition monitoring, identification of sensitive areas, and identification of areas at risk;

(6) broadening of impact data bases through collection of existing data on water and soil chemistry and through temporal trend analysis;

(7) development of dose-response functions with respect to soils, soil organisms, aquatic and amphibious organisms, crop plants, and forest plants;

(8) establishing and carrying out system studies with respect to plant physiology, aquatic ecosystems, soil chemistry systems, soil microbial systems, and forest ecosystems;

(9) economic assessments of (A) the environmental impacts caused by acid precipitation on crops, forests, fisheries, and recreational and aesthetic resources and structures, and (B) alternative technologies to remedy or otherwise ameliorate the harmful effects which may result from acid precipitation;

(10) documenting all current Federal activities related to research on acid precipitation and ensuring that such activities are coordinated in ways that prevent needless duplication and waste of financial and technical resources;

(11) effecting cooperation in acid precipitation research and development programs, ongoing and planned, with the affected and contributing States and with other sovereign nations having a commonality of interest;

(12) subject to subsection (f)(1), management by the Task Force of financial resources committed to Federal acid precipitation research and development;

(13) subject to subsection (f)(2), management of the technical aspects of Federal acid precipitation research and development programs, including but not limited to (A) the planning and management of research and development programs and projects, (B) the selection of contractors and grantees to carry out such programs and projects, and (C) the establishment of peer review procedures to assure the quality of research and development programs and their products; and

(14) analyzing the information available regarding acid precipitation in order to formulate and present periodic recommendations to the Congress and the appropriate agencies about actions to be taken by these bodies to alleviate acid precipitation and its effects.

(c) The comprehensive plan—

(1) shall be submitted in draft form to the Congress, and for public review, within six months after the date of the enactment of this Act;

(2) shall be available for public comment for a period of sixty days after its submission in draft form under paragraph (1);

(3) shall be submitted in final form, incorporating such needed revisions as arise from comments received during the review period, to the President and the Congress within forty-five days after the close of the period allowed for comments on the draft comprehensive plan under paragraph (2); and

(4) shall constitute the basis on which requests for authorizations and appropriations are to be made for the nine fiscal years following the fiscal year in which the comprehensive plan is submitted in final form under paragraph (3).

(d) The Task Force shall convene as necessary, but no less than twice during each fiscal year of the ten-year period covered by the comprehensive plan.

(e) The Task Force shall submit to the President and the Congress by January 15 of each year an annual report which shall detail the progress of the research program under this subtitle and which shall contain such recommendations as are developed under subsection (b)(14).

(f)(1) Subsection (b)(12) shall not be construed as modifying, or as authorizing the Task Force or the comprehensive plan to modify, any provision of an appropriation Act (or any other provision of law relating to the use of appropriated funds) which specifies (A) the department or agency to which funds are appropriated, or (B) the obligations of such department or agency with respect to the use of such funds.

(2) Subsection (b)(13) shall not be construed as modifying, or as authorizing the Task Force or the comprehensive plan to modify, any provision of law (relating to or involving a department or agency) which specifies (A) procurement practices for the selection, award, or management of contracts or grants by such department or agency, or (B) program activities, limitations, obligations, or responsibilities of such department or agency.

[42 U.S.C. 8903]

IMPLEMENTATION OF COMPREHENSIVE PLAN

SEC. 705. (a) The comprehensive plan shall be carried out during the nine fiscal years following the fiscal year in which the comprehensive plan is submitted in its final form under section 704(c)(3); and—

(1) shall be carried out in accord with, and meet the program objectives specified in, paragraphs (1) through (11) of section 704(b);

(2) shall be managed in accord with paragraphs (12) through (14) of such section; and

(3) shall be funded by annual appropriations, subject to annual authorizations which shall be made for each fiscal year of the program (as provided in section 706) after the submission of the Task Force progress report which under section 704(e) is required to be submitted by January 15 of the calendar year in which such fiscal year begins.

(b) Nothing in this subtitle shall be deemed to grant any new regulatory authority or to limit, expand, or otherwise modify any regulatory authority under existing law, or to establish new criteria, standards, or requirements for regulation under existing law.

[42 U.S.C. 8904]

AUTHORIZATION OF APPROPRIATIONS

SEC. 706. (a) For the purpose of establishing the Task Force and developing the comprehensive plan under section 704 there is authorized to be appropriated to the National Oceanic and Atmospheric Administration for fiscal year 1981 the sum of \$5,000,000, to remain available until expended.

(b) Authorizations of appropriations for the nine fiscal years following the fiscal year in which the comprehensive plan is submitted in final form under section 704(c)(3), for purposes of carrying out the comprehensive ten-year program established by section 703(a) and implementing the comprehensive plan under sections 704 and 705, shall be provided on an annual basis in authorization Acts hereafter enacted; but the total sum of dollars authorized for such purposes for such nine fiscal years shall not exceed \$45,000,000 except as may be specifically provided by reference to this paragraph in the authorization Acts involved.

[42 U.S.C. 8905]

SUBTITLE B—CARBON DIOXIDE

STUDY

SEC. 711. (a)(1) The Director of the Office of Science and Technology Policy shall enter into an agreement with the National Academy of Sciences to carry out a comprehensive study of the projected impact, on the level of carbon dioxide in the atmosphere, of fossil fuel combustion, coal-conversion and related synthetic fuels activities authorized in this Act, and other sources. Such study should also include an assessment of the economic, physical, climatic, and social effects of such impacts. In conducting such study the Office and the Academy are encouraged to work with domestic and foreign governmental and non-governmental entities, and international entities, so as to develop an international, worldwide assessment of the problems involved and to suggest such original research on any aspect of such problems as the Academy deems necessary.

(2) The President shall report to the Congress within six months after the date of the enactment of this Act regarding the status of the Office's negotiations to implement the study required under this section.

(b) A report including the major findings and recommendations resulting from the study required under this section shall be submitted to the Congress by the Office and the Academy not later than three years after the date of the enactment of this Act. The Academy contribution to such report shall not be subject to any prior clearance or review, nor shall any prior clearance or conditions be imposed on the Academy as part of the agreement made by the Office with the Academy under this section. Such report shall in any event include recommendations regarding—

(1) how a long-term program of domestic and international research, monitoring, modeling, and assessment of the causes and effects of varying levels of atmospheric carbon dioxide should be structured, including comments by the Office on the interagency requirements of such a program and comments by the Secretary of State on the international agreements required to carry out such a program;

(2) how the United States can best play a role in the development of such a long-term program on an international basis;

(3) what domestic resources should be made available to such a program;

(4) how the ongoing United States Government carbon dioxide assessment program should be modified so as to be of increased utility in providing information and recommendations of the highest possible value to government policy makers; and

(5) the need for periodic reports to the Congress in conjunction with any long-term program the Office and the Academy may recommend under this section.

(c) The Secretary of Energy, the Secretary of Commerce, the Administrator of the Environmental Protection Agency, and the Director of the National Science Foundation shall furnish to the Office or the Academy upon request any information which the Office or the Academy determines to be necessary for purposes of conducting the study required by this section.

(d) The Office shall provide a separate assessment of the inter-agency requirements to implement a comprehensive program of the type described in the third sentence of subsection (b).

[42 U.S.C. 8911]

AUTHORIZATION OF APPROPRIATIONS

SEC. 712. For the expenses of carrying out the carbon dioxide study authorized by section 711 (as determined by the Office of Science and Technology Policy) there are authorized to be appropriated such sums, not exceeding \$3,000,000 in the aggregate, as may be necessary. At least 80 percent of any amounts appropriated pursuant to the preceding sentence shall be provided to the National Academy of Sciences.

[42 U.S.C. 8912]

TITLE VIII—STRATEGIC PETROLEUM RESERVE

[Sections 801, 802, and 803 of this title amended section 160 of the Energy Policy and Conservation Act.]

NAVAL PETROLEUM RESERVES

SEC. 804. [Amends title 10, United States Code.]

ALLOCATION TO STRATEGIC PETROLEUM RESERVE OF LOWER TIER CRUDE OIL; USE OF FEDERAL ROYALTY OIL

SEC. 805. (a)(1) In order to carry out the requirement of the amendment made by section 801 of this Act and to carry out the policies and objectives established in sections 151 and 160(b)(1) of the Energy Policy and Conservation Act (42 U.S.C. 6231 and 6240(b)(1)), the President shall, within 60 days after the date of the enactment of this Act, promulgate and make effective an amendment to the provisions of the regulation under section 4(a) of the Emergency Petroleum Allocation Act of 1973 relating to entitlements, which has the same effect as allocating lower tier crude oil to the Government for storage in the Strategic Petroleum Reserve. Such amendment shall not apply with respect to crude oil purchased after September 30, 1981, for storage in such reserve.

(2) The authority provided by this subsection shall be in addition to, and shall not be deemed to limit, any other authority avail-

able to the President under the Emergency Petroleum Allocation Act of 1973 or any other law.

(3) The President or his delegate may promulgate and make effective rules or orders to implement this subsection without regard to the requirements of section 501 of the Department of Energy Organization Act or any other law or regulation specifying procedural requirements.

(b) In addition to the requirement under subsection (a), the President may direct that—

(1) all or any portion of Federal royalty oil be placed in storage in the Reserve,

(2) all or any portion of Federal royalty oil be exchanged, directly or indirectly, for other crude oil for storage in the Reserve, or

(3) all or any portion of the proceeds from the sales of Federal royalty oil be transferred to the account established under subsection (c) for use for the purchase of crude oil for the Reserve, as provided in subsection (c).

(c)(1) Any proceeds—

(A) from the sale of entitlements received by the Government under the amendment to the regulation made under subsection (a), and

(B) to the extent provided in subsection (b), from the sale of Federal royalty oil,

shall be deposited in a special account which the Secretary of the Treasury shall establish on the books of the Treasury of the United States.

(2)(A) Subject to the provisions of any Act enacted pursuant to section 660 of the Department of Energy Organization Act, such account shall be available (except as provided in subparagraph (B)) for use by the Secretary of Energy, without fiscal year limitation, for the purchase of crude oil for the Strategic Petroleum Reserve, to the extent provided in advance in appropriation Acts.

(B) Amounts in such account attributable to the proceeds from the sale of entitlements under the amendment to the regulation under subsection (a) are hereby appropriated for fiscal year 1981 for acquisition of crude oil for the Strategic Petroleum Reserve pursuant to subsection (a).

(d) For purposes of this section—

(1) the terms “entitlements”, “crude oil”, and “allocation” shall have the same meaning as those terms have as used in the Emergency Petroleum Allocation Act of 1973 (and the regulation thereunder);

(2) the term “lower tier crude oil” means crude oil which is subject to the price ceiling established under section 212.73 of title 10, Code of Federal Regulations;

(3) the term “Federal royalty oil” means crude oil which the United States is entitled to receive in kind as royalties from production on Federal land (as such term is defined in section 3 (10) of the Energy Policy and Conservation Act (42 U.S.C. 6202(10)); and

(4) the term “proceeds from the sale of Federal royalty oil” means that portion of the amounts deposited into the Treasury of the United States from the sale of Federal royalty oil which

is not otherwise required to be disposed of (other than as miscellaneous receipts) pursuant to (A) the provisions of section 35 of the Act of February 25, 1920, as amended (41 Stat. 450; 30 U.S.C. 191), commonly known as the Mineral Lands Leasing Act, or (B) the provisions of any other law.

【42 U.S.C. 6240 note】