

at a time when world petroleum reserves are declining;

“(2) the burning of gasoline causes pollution;

“(3) ethanol can be blended with gasoline to produce a cleaner source of fuel;

“(4) ethanol can be produced from grain, a renewable resource that is in considerable surplus in the United States;

“(5) the conversion of grain into ethanol would reduce farm program costs and grain surpluses; and

“(6) increasing the quantity of motor fuels that contain at least 10 percent ethanol from current levels to 50 percent by 1992 would create thousands of new jobs in ethanol production facilities.

“(b) SENSE OF CONGRESS.—It is the sense of Congress that the Administrator of the Environmental Protection Agency should use authority provided under the Clean Air Act (42 U.S.C. 7401 et seq.) to require greater use of ethanol as motor fuel.”

#### AGRICULTURAL MACHINERY: STUDY OF UNLEADED FUEL

Pub. L. 99-198, title XVII, §1765, Dec. 23, 1985, 99 Stat. 1653, directed Administrator of EPA and Secretary of Agriculture jointly to conduct a study of use of fuel containing lead additives, and alternative lubricating additives, in gasoline engines that are used in agricultural machinery, and designed to combust fuel containing such additives, study to analyze potential for mechanical problems (including but not limited to valve recession) that may be associated with use of other fuels in such engines, and not later than Jan. 1, 1987, Administrator and Secretary to publish results of the study, with Administrator to publish in Federal Register notice of publication of such study and a summary thereof; directed Administrator, after notice and opportunity for hearing, but not later than 6 months after publication of the study, to make findings and recommendations on need for lead additives in gasoline to be used on a farm for farming purposes, including a determination of whether a modification of regulations limiting lead content of gasoline would be appropriate in the case of gasoline used on a farm for farming purposes, and submit to President and Congress a report containing the study, a summary of comments received during public hearing (including comments of Secretary), and findings and recommendations of Administrator made in accordance with clause (1), such report to be transmitted named congressional committees; directed Administrator between Jan. 1, 1986, and Dec. 31, 1987, to monitor actual lead content of leaded gasoline sold in the United States, with Administrator to determine average lead content of such gasoline for each 3-month period between Jan. 1, 1986, and Dec. 31, 1987, and if actual lead content falls below an average of 0.2 of a gram of lead per gallon in any such 3-month period, to report to Congress, and publish a notice thereof in Federal Register; provided that until Jan. 1, 1988, no regulation of Administrator issued under this section 211 could require an average lead content per gallon that is less than 0.1 of a gram per gallon; and authorized an appropriation.

#### MODIFICATION OR RESCISSION OF RULES, REGULATIONS, ORDERS, DETERMINATIONS, CONTRACTS, CERTIFICATIONS, AUTHORIZATIONS, DELEGATIONS, AND OTHER ACTIONS

All rules, regulations, orders, determinations, contracts, certifications, authorizations, delegations, or other actions duly issued, made, or taken by or pursuant to act July 14, 1955, the Clean Air Act, as in effect immediately prior to the date of enactment of Pub. L. 95-95 [Aug. 7, 1977] to continue in full force and effect until modified or rescinded in accordance with act July 14, 1955, as amended by Pub. L. 95-95 [this chapter], see section 406(b) of Pub. L. 95-95, set out as an Effective Date of 1977 Amendment note under section 7401 of this title.

## § 7546. Renewable fuel

### (a) Definitions

In this section:

#### (1) Municipal solid waste

The term “municipal solid waste” has the meaning given the term “solid waste” in section 6903 of this title.

#### (2) RFG State

The term “RFG State” means a State in which is located one or more covered areas (as defined in section 7545(k)(10)(D) of this title).

#### (3) Secretary

The term “Secretary” means the Secretary of Energy.

### (b) Cellulosic biomass ethanol and municipal solid waste loan guarantee program

#### (1) In general

Funds may be provided for the cost (as defined in the Federal Credit Reform Act of 1990 (2 U.S.C. 661 et seq.)) of loan guarantees issued under title XIV of the Energy Policy Act<sup>1</sup> to carry out commercial demonstration projects for cellulosic<sup>2</sup> biomass and sucrose-derived ethanol.

#### (2) Demonstration projects

##### (A) In general

The Secretary shall issue loan guarantees under this section to carry out not more than 4 projects to commercially demonstrate the feasibility and viability of producing cellulosic biomass ethanol or sucrose-derived ethanol, including at least 1 project that uses cereal straw as a feedstock and 1 project that uses municipal solid waste as a feedstock.

##### (B) Design capacity

Each project shall have a design capacity to produce at least 30,000,000 gallons of cellulosic biomass ethanol each year.

#### (3) Applicant assurances

An applicant for a loan guarantee under this section shall provide assurances, satisfactory to the Secretary, that—

(A) the project design has been validated through the operation of a continuous process facility with a cumulative output of at least 50,000 gallons of ethanol;

(B) the project has been subject to a full technical review;

(C) the project is covered by adequate project performance guarantees;

(D) the project, with the loan guarantee, is economically viable; and

(E) there is a reasonable assurance of repayment of the guaranteed loan.

#### (4) Limitations

##### (A) Maximum guarantee

Except as provided in subparagraph (B), a loan guarantee under this section may be issued for up to 80 percent of the estimated cost of a project, but may not exceed \$250,000,000 for a project.

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

<sup>2</sup> So in original.

**(B) Additional guarantees****(i) In general**

The Secretary may issue additional loan guarantees for a project to cover up to 80 percent of the excess of actual project cost over estimated project cost but not to exceed 15 percent of the amount of the original guarantee.

**(ii) Principal and interest**

Subject to subparagraph (A), the Secretary shall guarantee 100 percent of the principal and interest of a loan made under subparagraph (A).

**(5) Equity contributions**

To be eligible for a loan guarantee under this section, an applicant for the loan guarantee shall have binding commitments from equity investors to provide an initial equity contribution of at least 20 percent of the total project cost.

**(6) Insufficient amounts**

If the amount made available to carry out this section is insufficient to allow the Secretary to make loan guarantees for 3 projects described in subsection (b) of this section, the Secretary shall issue loan guarantees for one or more qualifying projects under this section in the order in which the applications for the projects are received by the Secretary.

**(7) Approval**

An application for a loan guarantee under this section shall be approved or disapproved by the Secretary not later than 90 days after the application is received by the Secretary.

**(c) Authorization of appropriations for resource center**

There is authorized to be appropriated, for a resource center to further develop bioconversion technology using low-cost biomass for the production of ethanol at the Center for Biomass-Based Energy at the Mississippi State University and the Oklahoma State University, \$4,000,000 for each of fiscal years 2005 through 2007.

**(d) Renewable fuel production research and development grants****(1) In general**

The Administrator shall provide grants for the research into, and development and implementation of, renewable fuel production technologies in RFG States with low rates of ethanol production, including low rates of production of cellulosic biomass ethanol.

**(2) Eligibility****(A) In general**

The entities eligible to receive a grant under this subsection are academic institutions in RFG States, and consortia made up of combinations of academic institutions, industry, State government agencies, or local government agencies in RFG States, that have proven experience and capabilities with relevant technologies.

**(B) Application**

To be eligible to receive a grant under this subsection, an eligible entity shall submit to

the Administrator an application in such manner and form, and accompanied by such information, as the Administrator may specify.

**(3) Authorization of appropriations**

There is authorized to be appropriated to carry out this subsection \$25,000,000 for each of fiscal years 2006 through 2010.

**(e) Cellulosic biomass ethanol conversion assistance****(1) In general**

The Secretary may provide grants to merchant producers of cellulosic biomass ethanol in the United States to assist the producers in building eligible production facilities described in paragraph (2) for the production of cellulosic biomass ethanol.

**(2) Eligible production facilities**

A production facility shall be eligible to receive a grant under this subsection if the production facility—

(A) is located in the United States; and

(B) uses cellulosic biomass feedstocks derived from agricultural residues or municipal solid waste.

**(3) Authorization of appropriations**

There is authorized to be appropriated to carry out this subsection—

(A) \$250,000,000 for fiscal year 2006; and

(B) \$400,000,000 for fiscal year 2007.

(July 14, 1955, ch. 360, title II, §212, as added Pub. L. 109-58, title XV, §1511, Aug. 8, 2005, 119 Stat. 1086.)

## REFERENCES IN TEXT

The Federal Credit Reform Act of 1990, referred to in subsec. (b)(1), is title V of Pub. L. 93-344, as added by Pub. L. 101-508, title XIII, §13201(a), Nov. 5, 1990, 104 Stat. 1388-609, as amended, which is classified generally to subchapter III (§661 et seq.) of chapter 17A of Title 2, The Congress. For complete classification of this Act to the Code, see Short Title note set out under section 621 of Title 2 and Tables.

The Energy Policy Act, referred to in subsec. (b)(1), probably means the Energy Policy Act of 2005, Pub. L. 109-58, Aug. 8, 2005, 119 Stat. 594. Title XIV of the Act probably should be a reference to title XV of the Act which relates to ethanol and motor fuels and enacted subchapter XIV (§16501 et seq.) of chapter 149 of this title and sections 6991i to 6991m and 7546 of this title, amended sections 6991 to 6991f, 6991h, 1991i, 7135, 7545, and 13220 of this title, and enacted provisions set out as notes under section 7545 of this title. Title XIV of the Act, which contains miscellaneous provisions, is classified principally to subchapter XIII (§16491 et seq.) of chapter 149 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 15801 of this title and Tables.

## PRIOR PROVISIONS

A prior section 7546, act July 14, 1955, ch. 360, title II, §212, as added Dec. 31, 1970, Pub. L. 91-604, §10(c), 84 Stat. 1700; amended Dec. 31, 1970, Pub. L. 91-605, §202(a), 84 Stat. 1739; Apr. 9, 1973, Pub. L. 93-15, §1(b), 87 Stat. 11; June 22, 1974, Pub. L. 93-319, §13(b), 88 Stat. 265, related to low-emission vehicles, prior to repeal by Pub. L. 101-549, title II, §230(10), Nov. 15, 1990, 104 Stat. 2529.

A prior section 212 of act July 14, 1955, was renumbered section 213 by Pub. L. 91-604, renumbered section 214 by Pub. L. 93-319, and renumbered section 216 by Pub. L. 95-95, and is classified to section 7550 of this title.

## § 7547. Nonroad engines and vehicles

### (a) Emissions standards

(1) The Administrator shall conduct a study of emissions from nonroad engines and nonroad vehicles (other than locomotives or engines used in locomotives) to determine if such emissions cause, or significantly contribute to, air pollution which may reasonably be anticipated to endanger public health or welfare. Such study shall be completed within 12 months of November 15, 1990.

(2) After notice and opportunity for public hearing, the Administrator shall determine within 12 months after completion of the study under paragraph (1), based upon the results of such study, whether emissions of carbon monoxide, oxides of nitrogen, and volatile organic compounds from new and existing nonroad engines or nonroad vehicles (other than locomotives or engines used in locomotives) are significant contributors to ozone or carbon monoxide concentrations in more than 1 area which has failed to attain the national ambient air quality standards for ozone or carbon monoxide. Such determination shall be included in the regulations under paragraph (3).

(3) If the Administrator makes an affirmative determination under paragraph (2) the Administrator shall, within 12 months after completion of the study under paragraph (1), promulgate (and from time to time revise) regulations containing standards applicable to emissions from those classes or categories of new nonroad engines and new nonroad vehicles (other than locomotives or engines used in locomotives) which in the Administrator's judgment cause, or contribute to, such air pollution. Such standards shall achieve the greatest degree of emission reduction achievable through the application of technology which the Administrator determines will be available for the engines or vehicles to which such standards apply, giving appropriate consideration to the cost of applying such technology within the period of time available to manufacturers and to noise, energy, and safety factors associated with the application of such technology. In determining what degree of reduction will be available, the Administrator shall first consider standards equivalent in stringency to standards for comparable motor vehicles or engines (if any) regulated under section 7521 of this title, taking into account the technological feasibility, costs, safety, noise, and energy factors associated with achieving, as appropriate, standards of such stringency and lead time. The regulations shall apply to the useful life of the engines or vehicles (as determined by the Administrator).

(4) If the Administrator determines that any emissions not referred to in paragraph (2) from new nonroad engines or vehicles significantly contribute to air pollution which may reasonably be anticipated to endanger public health or welfare, the Administrator may promulgate (and from time to time revise) such regulations as the Administrator deems appropriate containing standards applicable to emissions from those classes or categories of new nonroad engines and new nonroad vehicles (other than locomotives or engines used in locomotives) which

in the Administrator's judgment cause, or contribute to, such air pollution, taking into account costs, noise, safety, and energy factors associated with the application of technology which the Administrator determines will be available for the engines and vehicles to which such standards apply. The regulations shall apply to the useful life of the engines or vehicles (as determined by the Administrator).

(5) Within 5 years after November 15, 1990, the Administrator shall promulgate regulations containing standards applicable to emissions from new locomotives and new engines used in locomotives. Such standards shall achieve the greatest degree of emission reduction achievable through the application of technology which the Administrator determines will be available for the locomotives or engines to which such standards apply, giving appropriate consideration to the cost of applying such technology within the period of time available to manufacturers and to noise, energy, and safety factors associated with the application of such technology.

### (b) Effective date

Standards under this section shall take effect at the earliest possible date considering the lead time necessary to permit the development and application of the requisite technology, giving appropriate consideration to the cost of compliance within such period and energy and safety.

### (c) Safe controls

Effective with respect to new engines or vehicles to which standards under this section apply, no emission control device, system, or element of design shall be used in such a new nonroad engine or new nonroad vehicle for purposes of complying with such standards if such device, system, or element of design will cause or contribute to an unreasonable risk to public health, welfare, or safety in its operation or function. In determining whether an unreasonable risk exists, the Administrator shall consider factors including those described in section 7521(a)(4)(B) of this title.

### (d) Enforcement

The standards under this section shall be subject to sections 7525, 7541, 7542, and 7543 of this title, with such modifications of the applicable regulations implementing such sections as the Administrator deems appropriate, and shall be enforced in the same manner as standards prescribed under section 7521 of this title. The Administrator shall revise or promulgate regulations as may be necessary to determine compliance with, and enforce, standards in effect under this section.

(July 14, 1955, ch. 360, title II, §213, as added Pub. L. 93-319, §10, June 22, 1974, 88 Stat. 261; amended Pub. L. 101-549, title II, §222(a), Nov. 15, 1990, 104 Stat. 2500.)

#### CODIFICATION

Section was formerly classified to section 1857f-6f of this title.

#### PRIOR PROVISIONS

A prior section 213 of act July 14, 1955, was renumbered section 214 by Pub. L. 93-319 and renumbered section 216 by Pub. L. 95-95, and is classified to section 7550 of this title.