

(f) Authorization of appropriations

There are authorized to be appropriated such sums as are necessary to carry out this section for each of fiscal years 2006 through 2010.

(Pub. L. 109–58, title XIV, §1405, Aug. 8, 2005, 119 Stat. 1062.)

§ 16494. Oxygen-fuel**(a) Program**

The Secretary shall establish a program on oxygen-fuel systems. If feasible, the program shall include renovation of at least one existing large unit and one existing small unit, and construction of one new large unit and one new small unit.

(b) Authorization of appropriations

There are authorized to be appropriated to the Secretary for carrying out this section—

- (1) \$100,000,000 for fiscal year 2006;
- (2) \$100,000,000 for fiscal year 2007; and
- (3) \$100,000,000 for fiscal year 2008.

(c) Definitions

For purposes of this section—

(1) the term “large unit” means a unit with a generating capacity of 100 megawatts or more;

(2) the term “oxygen-fuel systems” means systems that utilize fuel efficiency benefits of oil, gas, coal, and biomass combustion using substantially pure oxygen, with high flame temperatures and the exclusion of air from the boiler, in industrial or electric utility steam generating units; and

(3) the term “small unit” means a unit with a generating capacity in the 10–50 megawatt range.

(Pub. L. 109–58, title XIV, §1407, Aug. 8, 2005, 119 Stat. 1064.)

SUBCHAPTER XIV—ETHANOL AND MOTOR
FUELS

§ 16501. Commercial byproducts from municipal solid waste and cellulosic biomass loan guarantee program**(a) Definition of municipal solid waste**

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

(b) Establishment of program

The Secretary shall establish a program to provide guarantees of loans by private institutions for the construction of facilities for the processing and conversion of municipal solid waste and cellulosic biomass into fuel ethanol and other commercial byproducts.

(c) Requirements

The Secretary may provide a loan guarantee under subsection (b) to an applicant if—

- (1) without a loan guarantee, credit is not available to the applicant under reasonable terms or conditions sufficient to finance the construction of a facility described in subsection (b);
- (2) the prospective earning power of the applicant and the character and value of the se-

curity pledged provide a reasonable assurance of repayment of the loan to be guaranteed in accordance with the terms of the loan; and

(3) the loan bears interest at a rate determined by the Secretary to be reasonable, taking into account the current average yield on outstanding obligations of the United States with remaining periods of maturity comparable to the maturity of the loan.

(d) Criteria

In selecting recipients of loan guarantees from among applicants, the Secretary shall give preference to proposals that—

(1) meet all applicable Federal and State permitting requirements;

(2) are most likely to be successful; and

(3) are located in local markets that have the greatest need for the facility because of—

(A) the limited availability of land for waste disposal;

(B) the availability of sufficient quantities of cellulosic biomass; or

(C) a high level of demand for fuel ethanol or other commercial byproducts of the facility.

(e) Maturity

A loan guaranteed under subsection (b) shall have a maturity of not more than 20 years.

(f) Terms and conditions

The loan agreement for a loan guaranteed under subsection (b) shall provide that no provision of the loan agreement may be amended or waived without the consent of the Secretary.

(g) Assurance of repayment

The Secretary shall require that an applicant for a loan guarantee under subsection (b) provide an assurance of repayment in the form of a performance bond, insurance, collateral, or other means acceptable to the Secretary in an amount equal to not less than 20 percent of the amount of the loan.

(h) Guarantee fee

The recipient of a loan guarantee under subsection (b) shall pay the Secretary an amount determined by the Secretary to be sufficient to cover the administrative costs of the Secretary relating to the loan guarantee.

(i) Full faith and credit

The full faith and credit of the United States is pledged to the payment of all guarantees made under this section. Any such guarantee made by the Secretary shall be conclusive evidence of the eligibility of the loan for the guarantee with respect to principal and interest. The validity of the guarantee shall be incontestable in the hands of a holder of the guaranteed loan.

(j) Reports

Until each guaranteed loan under this section has been repaid in full, the Secretary shall annually submit to Congress a report on the activities of the Secretary under this section.

(k) Authorization of appropriations

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

(l) Termination of authority

The authority of the Secretary to issue a loan guarantee under subsection (b) terminates on the date that is 10 years after August 8, 2005.

(Pub. L. 109-58, title XV, §1510, Aug. 8, 2005, 119 Stat. 1085.)

§ 16502. Advanced Biofuel Technologies Program

(a) In general

Subject to the availability of appropriations under subsection (d), the Administrator of the Environmental Protection Agency shall, in consultation with the Secretary of Agriculture and the Biomass Research and Development Technical Advisory Committee established under section 8605¹ of title 7, establish a program, to be known as the “Advanced Biofuel Technologies Program”, to demonstrate advanced technologies for the production of alternative transportation fuels.

(b) Priority

In carrying out the program under subsection (a), the Administrator shall give priority to projects that enhance the geographical diversity of alternative fuels production and utilize feedstocks that represent 10 percent or less of ethanol or biodiesel fuel production in the United States during the previous fiscal year.

(c) Demonstration projects

(1) In general

As part of the program under subsection (a), the Administrator shall fund demonstration projects—

(A) to develop not less than 4 different conversion technologies for producing cellulosic biomass ethanol; and

(B) to develop not less than 5 technologies for coproducing value-added bioproducts (such as fertilizers, herbicides, and pesticides) resulting from the production of biodiesel fuel.

(2) Administration

Demonstration projects under this subsection shall be—

(A) conducted based on a merit-reviewed, competitive process; and

(B) subject to the cost-sharing requirements of section 16352 of this title.

(d) Authorization of appropriations

There are authorized to be appropriated to carry out this section \$110,000,000 for each of fiscal years 2005 through 2009.

(Pub. L. 109-58, title XV, §1514, Aug. 8, 2005, 119 Stat. 1090.)

Editorial Notes

REFERENCES IN TEXT

Section 8605 of title 7, referred to in subsec. (a), was repealed by Pub. L. 110-246, title IX, §9001(b), June 18, 2008, 122 Stat. 2095. Provisions relating to a Biomass Research and Development Technical Advisory Committee are now contained in section 8108(d) of title 7, Agriculture.

§ 16503. Sugar ethanol loan guarantee program

(a) In general

Funds may be provided for the cost (as defined in section 661a of title 2) of loan guarantees

issued under title XIV¹ to carry out commercial demonstration projects for ethanol derived from sugarcane, bagasse, and other sugarcane byproducts.

(b) Demonstration projects

The Secretary may issue loan guarantees under this section to projects to demonstrate commercially the feasibility and viability of producing ethanol using sugarcane, sugarcane bagasse, and other sugarcane byproducts as a feedstock.

(c) Requirements

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

(1) the project design has been validated through the operation of a continuous process facility;

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

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

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

(d) Limitations

(1) Maximum guarantee

Except as provided in paragraph (2), a loan guarantee under this section—

(A) may be issued for up to 80 percent of the estimated cost of a project; but

(B) shall not exceed \$50,000,000 for any 1 project.

(2) Additional guarantees

(A) In general

The Secretary may issue additional loan guarantees for a project to cover—

(i) up to 80 percent of the excess of actual project costs; but

(ii) not to exceed 15 percent of the amount of the original loan guarantee.

(B) Principal and interest

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

(Pub. L. 109-58, title XV, §1516, Aug. 8, 2005, 119 Stat. 1091.)

Editorial Notes

REFERENCES IN TEXT

Title XIV, referred to in subsec. (a), is title XIV of Pub. L. 109-58, Aug. 8, 2005, 119 Stat. 1061, which enacted subchapter XIII of this chapter and section 13557 of this title.

SUBCHAPTER XV—INCENTIVES FOR INNOVATIVE TECHNOLOGIES

§ 16511. Definitions

In this subchapter:

(1) Commercial technology

(A) In general

The term “commercial technology” means a technology in general use in the commercial marketplace.

¹ See References in Text note below.

¹ See References in Text note below.