

(3) Biodiesel

The term “biodiesel” means the monoalkyl esters of long chain fatty acids derived from plant or animal matter that meet—

- (A) the registration requirements for fuels and fuel additives under this section; and
- (B) the requirements of ASTM standard D6751.

(4) Biomass-based diesel and biodiesel blends

The terms “biomass-based diesel blend” and “biodiesel blend” means a blend of “biomass-based diesel” or “biodiesel” fuel that is blended with petroleum-based diesel fuel.

(Pub. L. 110-140, title II, §205, Dec. 19, 2007, 121 Stat. 1529.)

§ 17022. Grants for production of advanced biofuels**(a) In general**

The Secretary of Energy shall establish a grant program to encourage the production of advanced biofuels.

(b) Requirements and priority

In making grants under this section, the Secretary—

- (1) shall make awards to the proposals for advanced biofuels with the greatest reduction in lifecycle greenhouse gas emissions compared to the comparable motor vehicle fuel lifecycle emissions during calendar year 2005; and
- (2) shall not make an award to a project that does not achieve at least an 80 percent reduction in such lifecycle greenhouse gas emissions.

(c) Authorization of appropriations

There is authorized to be appropriated to carry out this section \$500,000,000 for the period of fiscal years 2008 through 2015, except that the amount authorized to be appropriated to carry out this section not appropriated as of October 2, 2013, shall be reduced by \$6,000,000.

(Pub. L. 110-140, title II, §207, Dec. 19, 2007, 121 Stat. 1531; Pub. L. 113-40, §10(f), Oct. 2, 2013, 127 Stat. 546.)

AMENDMENTS

2013—Subsec. (c). Pub. L. 113-40 inserted “, except that the amount authorized to be appropriated to carry out this section not appropriated as of October 2, 2013, shall be reduced by \$6,000,000” before period at end.

PART B—BIOFUELS RESEARCH AND DEVELOPMENT

§ 17031. Biodiesel**(a) Biodiesel study**

Not later than 180 days after December 19, 2007, the Secretary, in consultation with the Administrator of the Environmental Protection Agency, shall submit to Congress a report on any research and development challenges inherent in increasing the proportion of diesel fuel sold in the United States that is biodiesel.

(b) Material for the establishment of standards

The Director of the National Institute of Standards and Technology, in consultation with

the Secretary, shall make publicly available the physical property data and characterization of biodiesel and other biofuels as appropriate.

(Pub. L. 110-140, title II, §221, Dec. 19, 2007, 121 Stat. 1533.)

§ 17032. Grants for biofuel production research and development in certain States**(a) In general**

The Secretary shall provide grants to eligible entities for research, development, demonstration, and commercial application of biofuel production technologies in States with low rates of ethanol production, including low rates of production of cellulosic biomass ethanol, as determined by the Secretary.

(b) Eligibility

To be eligible to receive a grant under this section, an entity shall—

- (1)(A) be an institution of higher education (as defined in section 15801 of this title), including tribally controlled colleges or universities, located in a State described in subsection (a); or
- (B) be a consortium including at least 1 such institution of higher education and industry, State agencies, Indian tribal agencies, National Laboratories, or local government agencies located in the State; and
- (2) have proven experience and capabilities with relevant technologies.

(c) Authorization of appropriations

There are authorized to be appropriated to the Secretary to carry out this section \$25,000,000 for each of fiscal years 2008 through 2010.

(Pub. L. 110-140, title II, §223, Dec. 19, 2007, 121 Stat. 1533.)

§ 17033. Biofuels and biorefinery information center**(a) In general**

The Secretary, in cooperation with the Secretary of Agriculture, shall establish a biofuels and biorefinery information center to make available to interested parties information on—

- (1) renewable fuel feedstocks, including the varieties of fuel capable of being produced from various feedstocks;
- (2) biorefinery processing techniques related to various renewable fuel feedstocks;
- (3) the distribution, blending, storage, and retail dispensing infrastructure necessary for the transport and use of renewable fuels;
- (4) Federal and State laws and incentives related to renewable fuel production and use;
- (5) renewable fuel research and development advancements;
- (6) renewable fuel development and biorefinery processes and technologies;
- (7) renewable fuel resources, including information on programs and incentives for renewable fuels;
- (8) renewable fuel producers;
- (9) renewable fuel users; and
- (10) potential renewable fuel users.

(b) Administration

In administering the biofuels and biorefinery information center, the Secretary shall—

(1) continually update information provided by the center;

(2) make information available relating to processes and technologies for renewable fuel production;

(3) make information available to interested parties on the process for establishing a bio-refinery; and

(4) make information and assistance provided by the center available through a toll-free telephone number and website.

(c) Coordination and nonduplication

To the maximum extent practicable, the Secretary shall ensure that the activities under this section are coordinated with, and do not duplicate the efforts of, centers at other government agencies.

(d) Authorization of appropriations

There are authorized to be appropriated such sums as are necessary to carry out this section. (Pub. L. 110-140, title II, §229, Dec. 19, 2007, 121 Stat. 1535.)

§ 17034. Cellulosic ethanol and biofuels research

(a) Definition of eligible entity

In this section, the term “eligible entity” means—

(1) an 1890 Institution (as defined in section 7601 of title 7);

(2) a part B institution (as defined in section 1061 of title 20) (commonly referred to as “Historically Black Colleges and Universities”);

(3) a tribal college or university (as defined in section 1059c(b) of title 20); or

(4) a Hispanic-serving institution (as defined in section 1101a(a) of title 20).

(b) Grants

The Secretary shall make cellulosic ethanol and biofuels research and development grants to 10 eligible entities selected by the Secretary to receive a grant under this section through a peer-reviewed competitive process.

(c) Collaboration

An eligible entity that is selected to receive a grant under subsection (b) shall collaborate with 1 of the Bioenergy Research Centers of the Office of Science of the Department.

(d) Authorization of appropriations

There is authorized to be appropriated to the Secretary to make grants described in subsection (b) \$50,000,000 for fiscal year 2008, to remain available until expended.

(Pub. L. 110-140, title II, §230, Dec. 19, 2007, 121 Stat. 1536.)

§ 17035. University based research and development grant program

(a) Establishment

The Secretary shall establish a competitive grant program, in a geographically diverse manner, for projects submitted for consideration by institutions of higher education to conduct research and development of renewable energy technologies. Each grant made shall not exceed \$2,000,000.

(b) Eligibility

Priority shall be given to institutions of higher education with—

(1) established programs of research in renewable energy;

(2) locations that are low income or outside of an urbanized area;

(3) a joint venture with an Indian tribe; and

(4) proximity to trees dying of disease or insect infestation as a source of woody biomass.

(c) Authorization of appropriations

There are authorized to be appropriated to the Secretary \$25,000,000 for carrying out this section.

(d) Definitions

In this section:

(1) Indian tribe

The term “Indian tribe” has the meaning as defined in section 15823(c) of this title.

(2) Renewable energy

The term “renewable energy” has the meaning as defined in section 16181 of this title.

(3) Urbanized area

The term “urbanized area” has the meaning as defined by the U.S. Bureau of the Census.

(Pub. L. 110-140, title II, §234, Dec. 19, 2007, 121 Stat. 1538.)

PART C—BIOFUELS INFRASTRUCTURE

§ 17051. Renewable fuel dispenser requirements

(a) Market penetration reports

The Secretary, in consultation with the Secretary of Transportation, shall determine and report to Congress annually on the market penetration for flexible-fuel vehicles in use within geographic regions to be established by the Secretary.

(b) Dispenser feasibility study

Not later than 24 months after December 19, 2007, the Secretary, in consultation with the Department of Transportation, shall report to the Congress on the feasibility of requiring motor fuel retailers to install E-85 compatible dispensers and related systems at retail fuel facilities in regions where flexible-fuel vehicle market penetration has reached 15 percent of motor vehicles. In conducting such study, the Secretary shall consider and report on the following factors:

(1) The commercial availability of E-85 fuel and the number of competing E-85 wholesale suppliers in a given region.

(2) The level of financial assistance provided on an annual basis by the Federal Government, State governments, and nonprofit entities for the installation of E-85 compatible infrastructure.

(3) The number of retailers whose retail locations are unable to support more than 2 underground storage tank dispensers.

(4) The expense incurred by retailers in the installation and sale of E-85 compatible dispensers and related systems and any potential effects on the price of motor vehicle fuel.

(Pub. L. 110-140, title II, §242, Dec. 19, 2007, 121 Stat. 1540.)