

(1) preprocessing of feedstocks, including cleaning, separating and sorting, mixing or blending, and chemical or biochemical treatments, to add value and lower the cost of feedstock processing at a biorefinery; or

(2) 1-pass or other efficient, multiple crop harvesting techniques.

(b) Limitations on grants

(1) Number of grants

Not more than 5 demonstration projects per fiscal year shall be funded under this section.

(2) Non-Federal cost share

The non-Federal cost share of a project under this section shall be not less than 20 percent, as determined by the Secretary.

(c) Condition of grant

To be eligible for a grant for a project under this section, a recipient of a grant or a participating entity shall agree to use the material harvested under the project—

(1) to produce ethanol; or

(2) for another energy purpose, such as the generation of heat or electricity.

(d) Authorization for appropriations

There is authorized to be appropriated to carry out this section \$5,000,000 for each of fiscal years 2006 through 2010.

(Pub. L. 109–58, title IX, §946, Aug. 8, 2005, 119 Stat. 883.)

§ 16256. Education and outreach

(a) In general

The Secretary of Agriculture shall establish, within the Department of Agriculture or through an independent contracting entity, a program of education and outreach on biobased fuels and biobased products consisting of—

(1) training and technical assistance programs for feedstock producers to promote producer ownership, investment, and participation in the operation of processing facilities; and

(2) public education and outreach to familiarize consumers with the biobased fuels and biobased products.

(b) Authorization of appropriations

There is authorized to be appropriated to carry out this section \$1,000,000 for each of fiscal years 2006 through 2010.

(Pub. L. 109–58, title IX, §947, Aug. 8, 2005, 119 Stat. 883.)

PART E—NUCLEAR ENERGY

§ 16271. Nuclear energy

(a) In general

The Secretary shall conduct programs of civilian nuclear energy research, development, demonstration, and commercial application, including activities described in this part. Programs under this part shall take into consideration the following objectives:

(1) Enhancing nuclear power's viability as part of the United States energy portfolio.

(2) Providing the technical means to reduce the likelihood of nuclear proliferation.

(3) Maintaining a cadre of nuclear scientists and engineers.

(4) Maintaining National Laboratory and university nuclear programs, including their infrastructure.

(5) Supporting both individual researchers and multidisciplinary teams of researchers to pioneer new approaches in nuclear energy, science, and technology.

(6) Developing, planning, constructing, acquiring, and operating special equipment and facilities for the use of researchers.

(7) Supporting technology transfer and other appropriate activities to assist the nuclear energy industry, and other users of nuclear science and engineering, including activities addressing reliability, availability, productivity, component aging, safety, and security of nuclear power plants.

(8) Reducing the environmental impact of nuclear energy-related activities.

(b) Authorization of appropriations for core programs

There are authorized to be appropriated to the Secretary to carry out nuclear energy research, development, demonstration, and commercial application activities, including activities authorized under this part, other than those described in subsection (c)—

(1) \$330,000,000 for fiscal year 2007;

(2) \$355,000,000 for fiscal year 2008; and

(3) \$495,000,000 for fiscal year 2009.

(c) Nuclear infrastructure and facilities

There are authorized to be appropriated to the Secretary to carry out activities under section 16275 of this title—

(1) \$135,000,000 for fiscal year 2007;

(2) \$140,000,000 for fiscal year 2008; and

(3) \$145,000,000 for fiscal year 2009.

(d) Allocations

From amounts authorized under subsection (a), the following sums are authorized:

(1) For activities under section 16273 of this title—

(A) \$150,000,000 for fiscal year 2007;

(B) \$155,000,000 for fiscal year 2008; and

(C) \$275,000,000 for fiscal year 2009.

(2) For activities under section 16274 of this title—

(A) \$43,600,000 for fiscal year 2007;

(B) \$50,100,000 for fiscal year 2008; and

(C) \$56,000,000 for fiscal year 2009.

(3) For activities under section 16277 of this title, \$6,000,000 for each of fiscal years 2007 through 2009.

(e) Limitation

None of the funds authorized under this section may be used to decommission the Fast Flux Test Facility.

(Pub. L. 109–58, title IX, §951, Aug. 8, 2005, 119 Stat. 884.)

§ 16272. Nuclear energy research programs

(a) Nuclear Energy Research Initiative

The Secretary shall carry out a Nuclear Energy Research Initiative for research and development related to nuclear energy.