

ment of the bioeconomy within the region served by the eligible entity, through coordination, education, outreach, and other endeavors by the eligible entity.

(d) Matching funds

(1) In general

Grant recipients shall provide matching non-Federal funds equal to the amount of the grant received.

(2) Expenditure

Matching funds shall be expended in advance of grant funding, so that for every dollar of grant that is advanced, an equal amount of matching funds shall have been funded prior to submitting the request for reimbursement.

(e) Administration

The Secretary shall establish such administrative requirements for grants under this section, including requirements for applications for the grants, as the Secretary considers appropriate.

(f) Amount

A grant made under this section shall not exceed \$500,000.

(g) Authorizations of appropriations

There are authorized to be appropriated to make grants under this section—

- (1) \$1,000,000 for fiscal year 2006; and
- (2) such sums as are necessary for each of fiscal years 2007 through 2015.

(Pub. L. 109–58, title IX, §945, Aug. 8, 2005, 119 Stat. 882.)

§ 16255. Preprocessing and harvesting demonstration grants

(a) In general

The Secretary of Agriculture (referred to in this section as the “Secretary”) shall make grants available on a competitive basis to enterprises owned by agricultural producers, for the purposes of demonstrating cost-effective, cellulosic biomass innovations in—

- (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) Mission

(1) In general

The Secretary shall carry out programs of civilian nuclear research, development, demonstration, and commercial application, including activities under this part.

(2) Considerations

The programs carried out under paragraph (1) shall take into consideration the following objectives:

- (A) Providing research infrastructure to promote scientific progress and enable users from academia, the National Laboratories, and the private sector to make scientific discoveries relevant for nuclear, chemical, and materials science engineering.
- (B) Maintaining nuclear energy research and development programs at the National Laboratories and institutions of higher education, including infrastructure at the National Laboratories and institutions of higher education.
- (C) Providing the technical means to reduce the likelihood of nuclear proliferation.
- (D) Increasing confidence margins for public safety of nuclear energy systems.
- (E) Reducing the environmental impact of activities relating to nuclear energy.
- (F) Supporting technology transfer from the National Laboratories to the private sector.
- (G) Enabling the private sector to partner with the National Laboratories to demonstrate novel reactor concepts for the purpose of resolving technical uncertainty asso-