

107TH CONGRESS
2^D SESSION

S. 3016

To amend the Farm Security and Rural Investment Act of 2002 to require the Secretary of Agriculture to establish research, extension, and educational programs to implement biobased energy technologies, products, and economic diversification in rural areas of the United States.

IN THE SENATE OF THE UNITED STATES

SEPTEMBER 30, 2002

Mr. DASCHLE introduced the following bill; which was read twice and referred to the Committee on Agriculture, Nutrition, and Forestry

A BILL

To amend the Farm Security and Rural Investment Act of 2002 to require the Secretary of Agriculture to establish research, extension, and educational programs to implement biobased energy technologies, products, and economic diversification in rural areas of the United States.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Sun Grant Initiative
5 for Renewable Energy and Biobased Products Act”.

1 **SEC. 2. RESEARCH, EXTENSION, AND EDUCATIONAL PRO-**
2 **GRAMS ON BIOBASED ENERGY TECH-**
3 **NOLOGIES AND PRODUCTS.**

4 Title IX of the Farm Security and Rural Investment
5 Act of 2002 (7 U.S.C. 8101 et seq.) is amended by adding
6 at the end the following:

7 **“SEC. 9011. RESEARCH, EXTENSION, AND EDUCATIONAL**
8 **PROGRAMS ON BIOBASED ENERGY TECH-**
9 **NOLOGIES AND PRODUCTS.**

10 “(a) **PURPOSES.**—The purposes of the programs es-
11 tablished under this section are—

12 “(1) to enhance national energy security
13 through the development, distribution, and imple-
14 mentation of biobased energy technologies;

15 “(2) to promote diversification in, and the envi-
16 ronmental sustainability of, agricultural production
17 in the United States through biobased energy and
18 product technologies; and

19 “(3) to promote economic diversification in
20 rural areas of the United States through biobased
21 energy and product technologies.

22 “(b) **DEFINITION OF LAND-GRANT COLLEGES AND**
23 **UNIVERSITIES.**—In this section, the term ‘land-grant col-
24 leges and universities’ means—

1 “(1) 1862 Institutions (as defined in section 2
2 of the Agricultural Research, Extension, and Edu-
3 cation Reform Act of 1998 (7 U.S.C. 7601));

4 “(2) 1890 Institutions (as defined in section 2
5 of that Act); and

6 “(3) 1994 Institutions (as defined in section 2
7 of that Act).

8 “(c) ESTABLISHMENT.—To carry out the purposes
9 described in subsection (a), the Secretary shall establish
10 programs under which—

11 “(1) the Secretary shall provide grants to sun
12 grant centers specified in subsection (d)(1); and

13 “(2) the sun grant centers shall use the grants
14 in accordance with this section.

15 “(d) GRANTS TO CENTERS.—

16 “(1) IN GENERAL.—The Secretary shall use
17 amounts made available for a fiscal year under sub-
18 section (i) to provide a grant to each of the following
19 sun grant centers:

20 “(A) NORTH CENTRAL CENTER.—A north-
21 ern sun grant center at South Dakota State
22 University for the region composed of the
23 States of Illinois, Indiana, Iowa, Minnesota,
24 Montana, Nebraska, North Dakota, South Da-
25 kota, Wisconsin, Wyoming.

1 “(B) SOUTHEASTERN CENTER.—A south-
2 eastern sun grant center at the University of
3 Tennessee at Knoxville for the region composed
4 of—

5 “(i) the States of Alabama, Florida,
6 Georgia, Kentucky, Mississippi, North
7 Carolina, South Carolina, Tennessee, and
8 Virginia;

9 “(ii) the Commonwealth of Puerto
10 Rico; and

11 “(iii) the United States Virgin Is-
12 lands.

13 “(C) SOUTH CENTRAL CENTER.—A south-
14 ern sun grant center at Oklahoma State Uni-
15 versity for the region composed of the States of
16 Arkansas, Colorado, Kansas, Louisiana, Mis-
17 souri, New Mexico, Oklahoma, Texas.

18 “(D) WESTERN CENTER.—A western sun
19 grant center at Oregon State University for the
20 region composed of—

21 “(i) the States of Alaska, Arizona,
22 California, Hawaii, Idaho, Nevada, Oregon,
23 Utah, and Washington; and

24 “(ii) territories and possessions of the
25 United States (other than the territories

1 referred to in clauses (ii) and (iii) of sub-
2 paragraph (B)).

3 “(E) NORTHEASTERN CENTER.—A north-
4 eastern sun grant center at Cornell University
5 for the region composed of the States of Con-
6 necticut, Delaware, Massachusetts, Maryland,
7 Maine, Michigan, New Hampshire, New Jersey,
8 New York, Ohio, Pennsylvania, Rhode Island,
9 Vermont, and West Virginia.

10 “(2) EQUAL AMOUNTS.—Of the amount of
11 funds that are made available for grants for fiscal
12 year under paragraph (1), the Secretary shall pro-
13 vide an equal amount of grants to each of the sun
14 grant centers specified in paragraph (1).

15 “(e) USE OF FUNDS.—

16 “(1) CENTERS OF EXCELLENCE.—Of the
17 amount of funds that are made available for a fiscal
18 year to a sun grant center under subsection (d), the
19 center shall use not more than 25 percent of the
20 amount for administration and support centers of
21 excellence in science, engineering, and economics at
22 the university to promote the purposes described in
23 subsection (a) through the State agricultural experi-
24 ment station, cooperative extension services, and rel-
25 evant educational programs of the university.

1 “(2) GRANTS TO LAND-GRANT COLLEGES AND
2 UNIVERSITIES.—

3 “(A) IN GENERAL.—The sun grant center
4 established for a region shall use the funds that
5 remain available for a fiscal year after expendi-
6 tures made under paragraph (1) to provide
7 competitive grants to land-grant colleges and
8 universities in the region of the sun grant cen-
9 ter to conduct, consistent with the purposes de-
10 scribed in subsection (a), multiinstitutional and
11 multistate—

12 “(i) research, extension, and edu-
13 cational programs on technology develop-
14 ment; and

15 “(ii) integrated research, extension,
16 and educational programs on technology
17 implementation.

18 “(B) PROGRAMS.—Of the amount of funds
19 that are used to provide grants for a fiscal year
20 under subparagraph (A), the center shall use—

21 “(i) not less than 20 percent of the
22 funds to carry out programs described in
23 subparagraph (A)(i); and

1 “(ii) not less than 20 percent of the
2 funds to carry out programs described in
3 subparagraph (A)(ii).

4 “(3) INDIRECT COSTS.—

5 “(A) IN GENERAL.—Except as provided in
6 subparagraph (B), a sun grant center may re-
7 cover the indirect costs of making a grant
8 under this subsection in an amount that does
9 not exceed 19 percent of the amount of the di-
10 rect costs of making the grant.

11 “(B) OTHER LAND-GRANT COLLEGES AND
12 UNIVERSITIES.—A sun grant center may not re-
13 cover the indirect costs of making grants under
14 paragraph (2) to other land-grant colleges and
15 universities.

16 “(f) PLAN.—Subject to the availability of funds
17 under subsection (i), in cooperation with other land-grant
18 colleges and universities and private industry, the sun
19 grant centers shall jointly develop and submit to the Sec-
20 retary, for approval, a plan for the making of grants under
21 subsections (e)(1) and (e)(2) for programs that will facili-
22 tate the development of—

23 “(1) not later than January 1, 2008, critical
24 biobased-based products industries;

25 “(2) not later than January 1, 2013—

1 “(A) a biobased transportation fuels pro-
2 duction industry; and

3 “(B) an independent biobased power pro-
4 duction industry; and

5 “(3) not later than January 1, 2018, hydrogen
6 production systems for biobased products.

7 “(g) GRANTS TO OTHER LAND-GRANT COLLEGES
8 AND UNIVERSITIES.—

9 “(1) PRIORITY FOR GRANTS.—In making
10 grants under subsection (e)(2), a sun grant center
11 shall give a higher priority to programs that are con-
12 sistent with the plan approved by the Secretary
13 under subsection (f).

14 “(2) TERM OF GRANTS.—The term of a grant
15 provided by a sun grant center under subsection
16 (e)(2) shall not exceed 5 years.

17 “(3) COORDINATION WITH BIOENERGY AND
18 BIOBASED PRODUCT DEVELOPMENT PROGRAMS.—

19 The sun grant centers shall jointly develop and sub-
20 mit to the Secretary, for approval, a plan for coordi-
21 nation of activities of the centers with, and input
22 from, the bioenergy and biobased product develop-
23 ment programs of the Secretary of Energy, including
24 those conducted at the Oak Ridge National Labora-

1 tory and the National Renewable Energy Labora-
2 tory.

3 “(h) GRANT INFORMATION ANALYSIS CENTER.—The
4 sun grant centers shall maintain a Sun Grant Information
5 Analysis Center to provide sun grant centers analysis and
6 data management support.

7 “(i) ANNUAL REPORTS.—Not later than March 1 fol-
8 lowing the end of each fiscal year for which a sun grant
9 center receives a grant under subsection (d), the sun grant
10 center shall submit to the Secretary a report that de-
11 scribes the policies, priorities, and operations of the pro-
12 gram carried out by the center during the fiscal year, in-
13 cluding a description of progress made in facilitating the
14 priorities described in subsection (f).

15 “(j) AUTHORIZATION OF APPROPRIATIONS.—There
16 is authorized to be appropriated to carry out this section
17 \$100,000,000 for each of fiscal years 2003 through 2020,
18 of which \$4,000,000 for each fiscal year shall be made
19 available to carry out subsection (h).”.

20 **SEC. 3. BIOMASS RESEARCH AND DEVELOPMENT.**

21 (a) BOARD.—Section 305(b) of the Biomass Re-
22 search and Development Act of 2000 (7 U.S.C. 7624 note;
23 Public Law 106–224) is amended—

24 (1) by redesignating paragraphs (3) and (4) as
25 paragraphs (4) and (5), respectively;

1 (2) by inserting after paragraph (2) the fol-
2 lowing:

3 “(3) a representative of the Cooperative
4 Research, Extension, and Educational Service;
5 and”;

6 (3) in paragraph (5) (as redesignated by para-
7 graph (1)), by striking “(3)” and inserting “(4)”.

8 (b) TECHNICAL ADVISORY COMMITTEE.—Section
9 306(b)(1) of the Biomass Research and Development Act
10 of 2000 (7 U.S.C. 7624 note; Public Law 106–224) is
11 amended—

12 (1) in subparagraph (I), by striking “and” at
13 the end;

14 (2) by redesignating subparagraph (J) as sub-
15 paragraph (K); and

16 (3) by inserting after subparagraph (I) the fol-
17 lowing:

18 “(J) a representative of sun grant centers
19 specified in section 9011(d)(1) of the Farm Se-
20 curity and Rural Investment Act of 2002; and”.

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