

110TH CONGRESS
1ST SESSION

H. R. 1716

To authorize higher education curriculum development and graduate training
in advanced energy and green building technologies.

IN THE HOUSE OF REPRESENTATIVES

MARCH 27, 2007

Mr. MCCAUL of Texas (for himself, Mr. HILL, Mr. EHLERS, Ms. SCHWARTZ,
and Mr. MCCOTTER) introduced the following bill; which was referred to
the Committee on Science and Technology

A BILL

To authorize higher education curriculum development and
graduate training in advanced energy and green building
technologies.

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 “Green Energy Edu-
5 cation Act of 2007”.

6 **SEC. 2. DEFINITION.**

7 For the purposes of this Act:

8 (1) **DIRECTOR.**—The term “Director” means
9 the Director of the National Science Foundation.

1 (2) HIGH PERFORMANCE BUILDING.—The term
2 “high performance building” has the meaning given
3 that term in section 914(a) of the Energy Policy Act
4 of 2005 (42 U.S.C. 16194(a)).

5 (3) SECRETARY.—The term “Secretary” means
6 the Secretary of Energy.

7 **SEC. 3. GRADUATE TRAINING IN ENERGY RESEARCH AND**
8 **DEVELOPMENT.**

9 (a) FUNDING.—In carrying out research, develop-
10 ment, demonstration, and commercial application activi-
11 ties authorized for the Department of Energy, the Sec-
12 retary may contribute funds to the National Science Foun-
13 dation for the Integrative Graduate Education and Re-
14 search Traineeship program to support projects that en-
15 able graduate education related to such activities.

16 (b) CONSULTATION.—The Director shall consult with
17 the Secretary when preparing solicitations and awarding
18 grants for projects described in subsection (a).

19 **SEC. 4. CURRICULUM DEVELOPMENT FOR HIGH PERFORM-**
20 **ANCE BUILDING DESIGN.**

21 (a) FUNDING.—In carrying out advanced energy
22 technology research, development, demonstration, and
23 commercial application activities authorized for the De-
24 partment of Energy related to high performance buildings,
25 the Secretary may contribute funds to curriculum develop-

1 ment activities at the National Science Foundation for the
2 purpose of improving undergraduate or graduate inter-
3 disciplinary engineering and architecture education related
4 to the design and construction of high performance build-
5 ings, including development of curricula, of laboratory ac-
6 tivities, of training practicums, or of design projects. A
7 primary goal of curriculum development activities sup-
8 ported under this section shall be to improve the ability
9 of engineers, architects, and planners to work together on
10 the incorporation of advanced energy technologies during
11 the design and construction of high performance buildings.

12 (b) CONSULTATION.—The Director shall consult with
13 the Secretary when preparing solicitations and awarding
14 grants for projects described in subsection (a).

15 (c) PRIORITY.—In awarding grants with respect to
16 which the Secretary has contributed funds under this sec-
17 tion, the Director shall give priority to applications from
18 departments, programs, or centers of a school of engineer-
19 ing that are partnered with schools, departments, or pro-
20 grams of design, architecture, and city, regional, or urban
21 planning.

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