

108TH CONGRESS
2D SESSION

S. 2967

To provide for the implementation of a Green Chemistry Research and Development Program, and for other purposes.

IN THE SENATE OF THE UNITED STATES

OCTOBER 8, 2004

Ms. SNOWE (for herself and Mr. ROCKEFELLER) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

A BILL

To provide for the implementation of a Green Chemistry Research and Development Program, and for other purposes.

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 Chemistry Re-
5 search and Development Act of 2004”.

6 **SEC. 2. DEFINITIONS.**

7 In this Act:

8 (1) GREEN CHEMISTRY.—The term “green
9 chemistry” means chemistry and chemical engineer-
10 ing to design chemical products and processes that

1 reduce or eliminate the use or generation of haz-
2 ardous substances.

3 (2) INTERAGENCY WORKING GROUP.—The term
4 “Interagency Working Group” means the inter-
5 agency working group established under section 3(c).

6 (3) PROGRAM.—The term “Program” means
7 the Green Chemistry Research and Development
8 Program described in section 3.

9 **SEC. 3. GREEN CHEMISTRY RESEARCH AND DEVELOPMENT**

10 **PROGRAM.**

11 (a) IN GENERAL.—The President shall establish a
12 Green Chemistry Research and Development Program to
13 promote and coordinate Federal green chemistry research,
14 development, demonstration, education, and technology
15 transfer activities.

16 (b) PROGRAM ACTIVITIES.—The activities of the Pro-
17 gram shall be designed to—

18 (1) provide sustained support for green chem-
19 istry research, development, demonstration, edu-
20 cation, and technology transfer through—

21 (A) merit-reviewed competitive grants to
22 individual investigators and teams of investiga-
23 tors, including, to the extent practicable, young
24 investigators, for research and development;

1 (B) merit-reviewed competitive grants to
2 fund collaborative university-industry research
3 and development partnerships;

4 (C) green chemistry research, development,
5 demonstration, and technology transfer con-
6 ducted at Federal laboratories; and

7 (D) to the extent practicable, encourage-
8 ment of consideration of green chemistry in—

9 (i) the conduct of Federal chemical
10 science and engineering research and de-
11 velopment; and

12 (ii) the solicitation and evaluation of
13 all proposals for chemical science and engi-
14 neering research and development;

15 (2) examine methods by which the Federal Gov-
16 ernment can create incentives for consideration and
17 use of green chemistry processes and products;

18 (3) facilitate the adoption of green chemistry
19 innovations;

20 (4) expand education and training of under-
21 graduate and graduate students in green chemistry
22 science and engineering;

23 (5) collect and disseminate information on
24 green chemistry research, development, and tech-
25 nology transfer, including information on—

1 (A) incentives and impediments to develop-
2 ment and commercialization;

3 (B) accomplishments;

4 (C) best practices; and

5 (D) costs and benefits; and

6 (6) provide venues for outreach and dissemina-
7 tion of green chemistry advances such as symposia,
8 forums, conferences, and written materials in col-
9 laboration with, as appropriate, industry, academia,
10 scientific and professional societies, and other rel-
11 evant groups.

12 (c) INTERAGENCY WORKING GROUP.—The President
13 shall establish an Interagency Working Group, which shall
14 include representatives from the National Science Founda-
15 tion, the National Institute of Standards and Technology,
16 the Department of Energy, the Environmental Protection
17 Agency, and any other agency that the President may des-
18 ignate. The Director of the National Science Foundation
19 and the Assistant Administrator for Research and Devel-
20 opment of the Environmental Protection Agency shall
21 serve as co-chairs of the Interagency Working Group. The
22 Interagency Working Group shall oversee the planning,
23 management, and coordination of the Program. The Inter-
24 agency Working Group shall—

1 (1) establish goals and priorities for the Pro-
2 gram, to the extent practicable in consultation with
3 green chemistry researchers and potential end-users
4 of green chemistry products and processes; and

5 (2) provide for interagency coordination, includ-
6 ing budget coordination, of activities under the Pro-
7 gram.

8 (d) **REPORT TO CONGRESS.**—Not later than 2 years
9 after the date of enactment of this Act, the Interagency
10 Working Group shall transmit a report to the Committee
11 on Science of the House of Representatives and the Com-
12 mittee on Commerce, Science, and Transportation of the
13 Senate. The report shall include—

14 (1) a summary of federally funded green chem-
15 istry research, development, demonstration, edu-
16 cation, and technology transfer activities, including
17 the green chemistry budget for each of these activi-
18 ties; and

19 (2) an analysis of the progress made toward
20 achieving the goals and priorities for the Program,
21 and recommendations for future program activities.

22 **SEC. 4. AUTHORIZATION OF APPROPRIATIONS.**

23 (a) **NATIONAL SCIENCE FOUNDATION.**—From sums
24 otherwise authorized to be appropriated, there are author-

1 ized to be appropriated to the National Science Founda-
2 tion for carrying out this Act—

- 3 (1) \$7,000,000 for fiscal year 2005;
- 4 (2) \$7,500,000 for fiscal year 2006; and
- 5 (3) \$8,000,000 for fiscal year 2007.

6 (b) NATIONAL INSTITUTE OF STANDARDS AND
7 TECHNOLOGY.—From sums otherwise authorized to be
8 appropriated, there are authorized to be appropriated to
9 the National Institute of Standards and Technology for
10 carrying out this Act—

- 11 (1) \$5,000,000 for fiscal year 2005;
- 12 (2) \$5,500,000 for fiscal year 2006; and
- 13 (3) \$6,000,000 for fiscal year 2007.

14 (c) DEPARTMENT OF ENERGY.—From sums other-
15 wise authorized to be appropriated, there are authorized
16 to be appropriated to the Department of Energy for car-
17 rying out this Act—

- 18 (1) \$7,000,000 for fiscal year 2005;
- 19 (2) \$7,500,000 for fiscal year 2006; and
- 20 (3) \$8,000,000 for fiscal year 2007.

21 (d) ENVIRONMENTAL PROTECTION AGENCY.—From
22 sums otherwise authorized to be appropriated, there are
23 authorized to be appropriated to the Environmental Pro-
24 tection Agency for carrying out this Act—

- 25 (1) \$7,000,000 for fiscal year 2005;

- 1 (2) \$7,500,000 for fiscal year 2006; and
- 2 (3) \$8,000,000 for fiscal year 2007.

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