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(Original Signature of Member)

115TH CONGRESS  
1ST SESSION

**H. R. 4375**

To provide for a study on broadening participation in certain National Science Foundation research and education programs, to collect data on Federal research grants to science agencies, and for other purposes.

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IN THE HOUSE OF REPRESENTATIVES

Mrs. COMSTOCK introduced the following bill; which was referred to the Committee on \_\_\_\_\_

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**A BILL**

To provide for a study on broadening participation in certain National Science Foundation research and education programs, to collect data on Federal research grants to science agencies, 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 “STEM Research and  
5 Education Effectiveness and Transparency Act”.

1 **SEC. 2. BROADENING PARTICIPATION IN STEM PROGRAM**  
2 **EFFECTIVENESS STUDY.**

3 (a) IN GENERAL.—Not later than 12 months after  
4 the date of enactment of this Act, the Director of the Na-  
5 tional Science Foundation shall submit a report to Con-  
6 gress on the effectiveness of all National Science Founda-  
7 tion research and education programs for broadening the  
8 participation of women and other historically underrep-  
9 resented individuals in STEM studies and careers, includ-  
10 ing—

11 (1) development or identification of perform-  
12 ance metrics to evaluate such programs;

13 (2) information on student outcomes using all  
14 available data, including dropout rates, enrollment in  
15 graduate programs, internships or apprenticeships,  
16 and employment;

17 (3) identification of any data gaps for evalu-  
18 ating the effectiveness and outcomes of National  
19 Science Foundation programs to broaden participa-  
20 tion; and

21 (4) recommendations for maintaining, trans-  
22 lating, and disseminating outcomes data for STEM  
23 programs funded by the National Science Founda-  
24 tion.

25 (c) DEFINITION OF STEM.—In this section, the term  
26 “STEM” has the meaning given the term in section 2 of

1 the America COMPETES Reauthorization Act of 2010  
2 (42 U.S.C. 6621 note).

3 **SEC. 3. COLLECTION AND REPORTING OF DATA ON FED-**  
4 **ERAL RESEARCH GRANTS.**

5 (a) COLLECTION OF DATA.—

6 (1) IN GENERAL.—Each Federal science agency  
7 shall collect standardized record-level annual infor-  
8 mation on demographics, primary field, award type,  
9 review rating, budget request, funding outcome, and  
10 awarded budget for all applications for merit-re-  
11 viewed research and development grants to institu-  
12 tions of higher education and Federal laboratories  
13 supported by that agency.

14 (2) UNIFORMITY AND STANDARDIZATION.—The  
15 Director shall establish a policy to ensure uniformity  
16 and standardization of the data collection required  
17 under paragraph (1).

18 (3) RECORD-LEVEL DATA.—

19 (A) REQUIREMENT.—On an annual basis,  
20 beginning with the deadline under subpara-  
21 graph (C), each Federal science agency shall  
22 submit to the Director of the National Science  
23 Foundation record-level data collected under  
24 paragraph (1) in the form required by such Di-  
25 rector.

1 (B) PREVIOUS DATA.—As part of the first  
2 submission under subparagraph (A), each Fed-  
3 eral science agency, to the extent practicable,  
4 shall submit comparable record-level data for  
5 the 5 years preceding the deadline under sub-  
6 paragraph (C).

7 (C) DEADLINE.—The deadline under this  
8 paragraph is not later than 1 year after the  
9 date of enactment of this Act.

10 (b) REPORTING OF DATA.—The Director of the Na-  
11 tional Science Foundation shall publish statistical sum-  
12 mary data collected under this section, disaggregated and  
13 cross-tabulated demographically and by years since com-  
14 pletion of doctoral degree, including in conjunction with  
15 the National Science Foundation’s report required by sec-  
16 tion 37 of the Science and Technology Equal Opportuni-  
17 ties Act (42 U.S.C. 1885d; Public Law 96–516).

18 (c) DEFINITIONS.—In this section:

19 (1) DIRECTOR.—The term “Director” means  
20 the Director of the Office of Science and Technology  
21 Policy.

22 (2) FEDERAL LABORATORY.—The term “Fed-  
23 eral laboratory” has the meaning given that term in  
24 section 4 of the Stevenson-Wydler Technology Inno-  
25 vation Act of 1980 (15 U.S.C. 3703).

1           (3) FEDERAL SCIENCE AGENCY.—The term  
2           “Federal science agency” means any Federal agency  
3           with at least \$100,000,000 in research and develop-  
4           ment expenditures in fiscal year 2017.

5           (4) INSTITUTION OF HIGHER EDUCATION.—The  
6           term “institution of higher education” has the  
7           meaning given such term in section 101(a) of the  
8           Higher Education Act of 1965 (20 U.S.C. 1001(a)).