

112TH CONGRESS
1ST SESSION

H. R. 3479

To reauthorize Federal natural hazards reduction programs, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

NOVEMBER 18, 2011

Mrs. BIGGERT (for herself, Mr. NEUGEBAUER, Mr. SMITH of Texas, Mr. HALL, and Mr. PALAZZO) introduced the following bill; which was referred to the Committee on Science, Space, and Technology, and in addition to the Committees on Transportation and Infrastructure and Natural Resources, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To reauthorize Federal natural hazards reduction programs, 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 “Natural Hazards Risk
5 Reduction Act of 2011”.

6 **SEC. 2. TABLE OF CONTENTS.**

7 The table of contents for this Act is as follows:

Sec. 1. Short title.

Sec. 2. Table of contents.

TITLE I—EARTHQUAKES

- Sec. 101. Short title.
 Sec. 102. Definitions.
 Sec. 103. National Earthquake Hazards Reduction Program.
 Sec. 104. Post-Earthquake Investigations Program.
 Sec. 105. Authorization of appropriations.

TITLE II—WIND

- Sec. 201. Short title.
 Sec. 202. Definitions.
 Sec. 203. National Windstorm Impact Reduction Program.
 Sec. 204. National Advisory Committee on Windstorm Impact Reduction.
 Sec. 205. Authorization of appropriations.

TITLE III—INTERAGENCY COORDINATION

- Sec. 301. Interagency Coordinating Committee on Natural Hazards Risk Reduction.
 Sec. 302. Coordination of Federal disaster research, development, and technology transfer.
 Sec. 303. Authorizations.

1 **TITLE I—EARTHQUAKES**2 **SEC. 101. SHORT TITLE.**

3 This title may be cited as the “National Earthquake
 4 Hazards Reduction Program Reauthorization Act of
 5 2011”.

6 **SEC. 102. DEFINITIONS.**

7 Section 4 of the Earthquake Hazards Reduction Act
 8 of 1977 (42 U.S.C. 7703) is amended by striking para-
 9 graphs (8) and (9).

10 **SEC. 103. NATIONAL EARTHQUAKE HAZARDS REDUCTION**
 11 **PROGRAM.**

12 Section 5 of the Earthquake Hazards Reduction Act
 13 of 1977 (42 U.S.C. 7704) is amended—

14 (1) in subsection (a)—

1 (A) in paragraph (1), by inserting “to be
2 administered, as provided under this section, by
3 the National Institute of Standards and Tech-
4 nology, the Federal Emergency Management
5 Agency, the United States Geological Survey,
6 and the National Science Foundation” after
7 “Reduction Program”;

8 (B) in paragraph (2)—

9 (i) by amending subparagraph (A) to
10 read as follows:

11 “(A) research and develop effective meth-
12 ods, tools, and technologies to reduce the risk
13 posed by earthquakes to the built environment,
14 especially to lessen the risk to existing struc-
15 tures and lifelines;”;

16 (ii) in subparagraph (B), by inserting
17 “and retrofitting” after “planning and
18 constructing”;

19 (iii) by striking “and” at the end of
20 subparagraph (C);

21 (iv) in subparagraph (D), by striking
22 the period at the end and inserting “, as
23 appropriate; and”;

24 (v) by adding at the end the following
25 new subparagraph:

1 “(E) support public education and out-
2 reach to assist in preparing for and responding
3 to earthquake-related disasters.”; and

4 (C) by striking paragraphs (3) through
5 (5);
6 (2) in subsection (b)—

7 (A) by amending paragraph (1) to read as
8 follows:

9 “(1) LEAD AGENCY.—The National Institute of
10 Standards and Technology shall have the primary
11 responsibility for planning and coordinating the Pro-
12 gram. In carrying out this paragraph, the Director
13 of the Institute shall—

14 “(A) ensure that the Program includes the
15 necessary components to promote the imple-
16 mentation of earthquake hazards risk reduction
17 measures by Federal, State, and local govern-
18 ments, national standards and model building
19 code organizations, architects and engineers,
20 and others with a role in planning, con-
21 structing, and retrofitting structures and life-
22 lines;

23 “(B) support the development of perform-
24 ance-based seismic engineering tools, and work
25 with appropriate groups to promote the com-

1 commercial application of such tools, through earth-
2 quake-related model building codes, voluntary
3 standards, and construction best practices;

4 “(C) request the assistance of Federal
5 agencies other than the Program agencies, as
6 necessary to assist in carrying out this Act;

7 “(D) work with the Federal Emergency
8 Management Agency, the National Science
9 Foundation, and the United States Geological
10 Survey, to develop a comprehensive plan for
11 earthquake engineering research to effectively
12 use existing testing facilities and laboratories
13 (existing at the time of the development of the
14 plan), upgrade facilities and equipment as need-
15 ed, and integrate new, innovative testing ap-
16 proaches to the research infrastructure in a sys-
17 tematic manner; and

18 “(E) when warranted by research or inves-
19 tigative findings, issue recommendations to as-
20 sist in informing the development of model
21 codes, and provide information to Congress on
22 the use of such recommendations.”;

23 (B) in paragraph (3)—

1 (i) in subparagraph (A), by striking
2 “seismic microzonation” and inserting “de-
3 tailed seismic hazard and risk”;

4 (ii) by amending subparagraphs (F)
5 and (G) to read as follows:

6 “(F) operate, in cooperation with the Na-
7 tional Science Foundation, a Global Seis-
8 mographic Network for detection of earth-
9 quakes around the world and research into fun-
10 damental earth processes;

11 “(G) support the operation of regional seis-
12 mic networks in areas of higher seismic risk;”;

13 (iii) by striking the period at the end
14 of subparagraph (H) and inserting a semi-
15 colon; and

16 (iv) by amending subparagraph (I) to
17 read as follows:

18 “(I) work with other Program agencies to
19 maintain awareness of, and where appropriate
20 coordinate with, earthquake risk reduction ef-
21 forts in other countries to ensure that the Pro-
22 gram benefits from relevant information and
23 advances in those countries; and”;

24 (C) in paragraph (4)(D), by striking “of
25 the George” and all that follows through “Re-

1 duction Program” and inserting “of institutions
2 engaged in research and the implementation of
3 the National Earthquake Hazards Reduction
4 Program, which may include the George E.
5 Brown Jr. Network for Earthquake Engineer-
6 ing Simulation”; and

7 (D) in paragraph (5)—

8 (i) in subparagraph (C)—

9 (I) by inserting “and other stake-
10 holders with relevant expertise” after
11 “standards organizations”; and

12 (II) by inserting “and” after the
13 semicolon at the end;

14 (ii) by striking “; and” at the end of
15 subparagraph (D) and inserting a period;
16 and

17 (iii) by striking subparagraph (E);

18 (3) by redesignating subsection (c) as sub-
19 section (d);

20 (4) by inserting after subsection (b) the fol-
21 lowing new subsection:

22 “(c) ADVISORY COMMITTEE ON EARTHQUAKE HAZ-
23 ARDS REDUCTION.—

24 “(1) IN GENERAL.—The Director of the Na-
25 tional Institute of Standards and Technology shall

1 establish an Advisory Committee on Earthquake
2 Hazards Reduction, which shall be composed of at
3 least 11 members, none of whom may be employees
4 of the Federal Government, including representa-
5 tives of research and academic institutions, industry
6 standards development organizations, emergency
7 management agencies, State and local government,
8 and business communities who are qualified to pro-
9 vide advice on earthquake hazards reduction and
10 represent all related scientific, architectural, and en-
11 gineering disciplines. The recommendations of the
12 Advisory Committee shall be considered by Federal
13 agencies in implementing the Program.

14 “(2) ASSESSMENTS.—The Advisory Committee
15 on Earthquake Hazards Reduction shall offer as-
16 sessments on—

17 “(A) trends and developments in the nat-
18 ural, social, and engineering sciences and prac-
19 tices of earthquake hazards impact mitigation;

20 “(B) the priorities of the Program’s Stra-
21 tegic Plan;

22 “(C) the coordination of the Program; and

23 “(D) any revisions to the Program which
24 may be necessary.

1 “(3) COMPENSATION.—The members of the Ad-
2 visory Committee established under this subsection
3 shall serve without compensation.

4 “(4) REPORTS.—At least every 2 years, the Ad-
5 visory Committee shall report to the Director of the
6 National Institute of Standards and Technology on
7 the assessments carried out under paragraph (2)
8 and its recommendations for ways to improve the
9 Program.

10 “(5) TERMINATION.—The Advisory Committee
11 established under this subsection shall terminate not
12 later than 5 years after the date of enactment of the
13 Natural Hazards Risk Reduction Act of 2011.”; and

14 (5) in subsection (d)(1), as so redesignated by
15 paragraph (3) of this section, by inserting “on Nat-
16 ural Hazards Risk Reduction established under sec-
17 tion 301 of the Natural Hazards Risk Reduction Act
18 of 2011” after “Interagency Coordinating Com-
19 mittee”.

20 **SEC. 104. POST-EARTHQUAKE INVESTIGATIONS PROGRAM.**

21 Section 11 of the Earthquake Hazards Reduction Act
22 of 1977 (42 U.S.C. 7705e) is amended by inserting “and
23 utilizing the coordination expertise of the lead Program
24 agency” after “consultation with each Program agency”.

1 **SEC. 105. AUTHORIZATION OF APPROPRIATIONS.**

2 (a) IN GENERAL.—Section 12 of the Earthquake
3 Hazards Reduction Act of 1977 (42 U.S.C. 7706) is
4 amended to read as follows:

5 **“SEC. 12. AUTHORIZATION OF APPROPRIATIONS.**

6 “(a) FEDERAL EMERGENCY MANAGEMENT AGEN-
7 CY.—There are authorized to be appropriated to the Fed-
8 eral Emergency Management Agency for carrying out this
9 Act—

10 “(1) \$6,400,000 for fiscal year 2012;

11 “(2) \$6,400,000 for fiscal year 2013; and

12 “(3) \$6,400,000 for fiscal year 2014.

13 “(b) UNITED STATES GEOLOGICAL SURVEY.—There
14 are authorized to be appropriated to the United States Ge-
15 ological Survey for carrying out this Act—

16 “(1) \$57,700,000 for fiscal year 2012;

17 “(2) \$57,700,000 for fiscal year 2013; and

18 “(3) \$57,700,000 for fiscal year 2014.

19 “(c) NATIONAL SCIENCE FOUNDATION.—There are
20 authorized to be appropriated to the National Science
21 Foundation for carrying out this Act—

22 “(1) \$53,800,000 for fiscal year 2012;

23 “(2) \$53,800,000 for fiscal year 2013; and

24 “(3) \$53,800,000 for fiscal year 2014.

25 “(d) NATIONAL INSTITUTE OF STANDARDS AND
26 TECHNOLOGY.—There are authorized to be appropriated

1 to the National Institute of Standards and Technology for
2 carrying out this Act—

3 “(1) \$4,100,000 for fiscal year 2012;

4 “(2) \$4,100,000 for fiscal year 2013; and

5 “(3) \$4,100,000 for fiscal year 2014.”

6 (b) CONFORMING AMENDMENT.—Section 14 of the
7 National Earthquake Hazards Reduction Act of 1977 (42
8 U.S.C. 7708) is amended—

9 (1) by striking “(a) ESTABLISHMENT.—”; and

10 (2) by striking subsection (b).

11 **TITLE II—WIND**

12 **SEC. 201. SHORT TITLE.**

13 This title may be cited as the “National Windstorm
14 Impact Reduction Act Reauthorization of 2011”.

15 **SEC. 202. DEFINITIONS.**

16 Section 203(1) of the National Windstorm Impact
17 Reduction Act of 2004 (42 U.S.C. 15702(1)) is amended
18 by striking “Director of the Office of Science and Tech-
19 nology Policy” and inserting “Director of the National In-
20 stitute of Standards and Technology”.

21 **SEC. 203. NATIONAL WINDSTORM IMPACT REDUCTION PRO-** 22 **GRAM.**

23 Section 204 of the National Windstorm Impact Re-
24 duction Act of 2004 (42 U.S.C. 15703) is amended—

1 (1) by striking subsections (a), (b), and (c) and
2 inserting the following:

3 “(a) ESTABLISHMENT.—There is established the Na-
4 tional Windstorm Impact Reduction Program, the purpose
5 of which is to achieve major measurable reductions in the
6 losses of life and property from windstorms through a co-
7 ordinated Federal effort, in cooperation with other levels
8 of government, academia, and the private sector, aimed
9 at improving the understanding of windstorms and their
10 impacts and developing and encouraging the implementa-
11 tion of cost-effective mitigation measures to reduce those
12 impacts.

13 “(b) RESPONSIBILITIES OF PROGRAM AGENCIES.—

14 “(1) LEAD AGENCY.—The National Institute of
15 Standards and Technology shall have the primary
16 responsibility for planning and coordinating the Pro-
17 gram. In carrying out this paragraph, the Director
18 shall—

19 “(A) ensure that the Program includes the
20 necessary components to promote the imple-
21 mentation of windstorm risk reduction meas-
22 ures by Federal, State, and local governments,
23 national standards and model building code or-
24 ganizations, architects and engineers, and oth-

1 ers with a role in planning and constructing
2 buildings and lifelines;

3 “(B) support the development of perform-
4 ance-based engineering tools, and work with ap-
5 propriate groups to promote the commercial ap-
6 plication of such tools, including through wind-
7 related model building codes, voluntary stand-
8 ards, and construction best practices;

9 “(C) request the assistance of Federal
10 agencies other than the Program agencies, as
11 necessary to assist in carrying out this Act;

12 “(D) coordinate all Federal post-windstorm
13 investigations; and

14 “(E) when warranted by research or inves-
15 tigative findings, issue recommendations to as-
16 sist in informing the development of model
17 codes, and provide information to Congress on
18 the use of such recommendations.

19 “(2) NATIONAL INSTITUTE OF STANDARDS AND
20 TECHNOLOGY.—In addition to the lead agency re-
21 sponsibilities described under paragraph (1), the Na-
22 tional Institute of Standards and Technology shall
23 be responsible for carrying out research and develop-
24 ment to improve model building codes, voluntary
25 standards, and best practices for the design, con-

1 construction, and retrofit of buildings, structures, and
2 lifelines.

3 “(3) NATIONAL SCIENCE FOUNDATION.—The
4 National Science Foundation shall support research
5 in engineering and the atmospheric sciences to im-
6 prove the understanding of the behavior of wind-
7 storms and their impact on buildings, structures,
8 and lifelines.

9 “(4) NATIONAL OCEANIC AND ATMOSPHERIC
10 ADMINISTRATION.—The National Oceanic and At-
11 mospheric Administration shall support atmospheric
12 sciences research and data collection to improve the
13 understanding of the behavior of windstorms and
14 their impact on buildings, structures, and lifelines.

15 “(5) FEDERAL EMERGENCY MANAGEMENT
16 AGENCY.—The Federal Emergency Management
17 Agency shall support the development of risk assess-
18 ment tools and effective mitigation techniques, wind-
19 storm-related data collection and analysis, public
20 outreach, information dissemination, and implemen-
21 tation of mitigation measures consistent with the
22 Agency’s all-hazards approach.”;

23 (2) by redesignating subsection (d) as sub-
24 section (c);

1 (3) in subsection (c), as so redesignated by
 2 paragraph (2) of this section, amend paragraph
 3 (4)(A) to read as follows:

4 “(A) development of improved outreach
 5 and implementation mechanisms to translate—

6 “(i) existing information and research
 7 findings into cost-effective and affordable
 8 practices for design and construction pro-
 9 fessionals, and State and local officials;
 10 and

11 “(ii) research, including social science
 12 research, into windstorm risk mitigation
 13 and preparedness strategies for individuals,
 14 households, and businesses;” and

15 (4) by striking subsections (e) and (f).

16 **SEC. 204. NATIONAL ADVISORY COMMITTEE ON WIND-**
 17 **STORM IMPACT REDUCTION.**

18 Section 205 of the National Windstorm Impact Re-
 19 duction Act of 2004 (42 U.S.C. 15704) is amended to
 20 read as follows:

21 **“SEC. 205. NATIONAL ADVISORY COMMITTEE ON WIND-**
 22 **STORM IMPACT REDUCTION.**

23 “(a) IN GENERAL.—The Director of the National In-
 24 stitute of Standards and Technology shall establish an Ad-
 25 visory Committee on Windstorm Impact Reduction, which

1 shall be composed of at least 7 members, none of whom
2 may be employees of the Federal Government, including
3 representatives of research and academic institutions, in-
4 dustry standards development organizations, emergency
5 management agencies, State and local government, and
6 business communities who are qualified to provide advice
7 on windstorm impact reduction and represent all related
8 scientific, architectural, and engineering disciplines. The
9 recommendations of the Advisory Committee shall be con-
10 sidered by Federal agencies in implementing the Program.

11 “(b) ASSESSMENTS.—The Advisory Committee on
12 Windstorm Impact Reduction shall offer assessments on—

13 “(1) trends and developments in the natural,
14 social, and engineering sciences and practices of
15 windstorm impact mitigation;

16 “(2) the priorities of the Program’s Strategic
17 Plan;

18 “(3) the coordination of the Program; and

19 “(4) any revisions to the Program which may
20 be necessary.

21 “(c) COMPENSATION.—The members of the Advisory
22 Committee established under this section shall serve with-
23 out compensation.

24 “(d) REPORTS.—At least every 2 years, the Advisory
25 Committee shall report to the Director on the assessments

1 carried out under subsection (b) and its recommendations
2 for ways to improve the Program.

3 “(e) **TERMINATION.**—The Advisory Committee shall
4 terminate not later than 5 years after the date of enact-
5 ment of the Natural Hazards Risk Reduction Act of
6 2011.”.

7 **SEC. 205. AUTHORIZATION OF APPROPRIATIONS.**

8 Section 207 of the National Windstorm Impact Re-
9 duction Act of 2004 (42 U.S.C. 15706) is amended to
10 read as follows:

11 **“SEC. 207. AUTHORIZATION OF APPROPRIATIONS.**

12 “(a) **FEDERAL EMERGENCY MANAGEMENT AGEN-**
13 **CY.**—There are authorized to be appropriated to the Fed-
14 eral Emergency Management Agency for carrying out this
15 title—

16 “(1) \$4,000,000 for fiscal year 2012;

17 “(2) \$4,000,000 for fiscal year 2013; and

18 “(3) \$4,000,000 for fiscal year 2014.

19 “(b) **NATIONAL SCIENCE FOUNDATION.**—There are
20 authorized to be appropriated to the National Science
21 Foundation for carrying out this title—

22 “(1) \$9,400,000 for fiscal year 2012;

23 “(2) \$9,400,000 for fiscal year 2013; and

24 “(3) \$9,400,000 for fiscal year 2014.

1 “(c) NATIONAL INSTITUTE OF STANDARDS AND
2 TECHNOLOGY.—There are authorized to be appropriated
3 to the National Institute of Standards and Technology for
4 carrying out this title—

5 “(1) \$5,300,000 for fiscal year 2012;

6 “(2) \$5,300,000 for fiscal year 2013; and

7 “(3) \$5,300,000 for fiscal year 2014.

8 “(d) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN-
9 ISTRATION.—There are authorized to be appropriated to
10 the National Oceanic and Atmospheric Administration for
11 carrying out this title—

12 “(1) \$2,700,000 for fiscal year 2012;

13 “(2) \$2,700,000 for fiscal year 2013; and

14 “(3) \$2,700,000 for fiscal year 2014.”.

15 **TITLE III—INTERAGENCY** 16 **COORDINATION**

17 **SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON** 18 **NATURAL HAZARDS RISK REDUCTION.**

19 (a) ESTABLISHMENT.—There is established an Inter-
20 agency Coordinating Committee on Natural Hazards Risk
21 Reduction, chaired by the Director of the National Insti-
22 tute of Standards and Technology.

23 (b) MEMBERSHIP.—In addition to the chair, the
24 Committee shall be composed of—

25 (1) the heads of—

1 (A) the Federal Emergency Management
2 Agency;

3 (B) the United States Geological Survey;

4 (C) the National Oceanic and Atmospheric
5 Administration;

6 (D) the National Science Foundation;

7 (E) the Office of Science and Technology
8 Policy; and

9 (F) the Office of Management and Budget;
10 and

11 (2) the head of any other Federal agency the
12 chair considers appropriate.

13 (c) MEETINGS.—The Committee shall meet not less
14 than 1 time a year at the call of the Director of the Na-
15 tional Institute of Standards and Technology.

16 (d) GENERAL PURPOSE AND DUTIES.—The Com-
17 mittee shall oversee the planning and coordination of the
18 National Earthquake Hazards Reduction Program and
19 the National Windstorm Impact Reduction Program, and
20 shall make proposals for planning and coordination of any
21 other Federal research for natural hazard mitigation that
22 the Committee considers appropriate.

23 (e) STRATEGIC PLANS.—The Committee shall de-
24 velop and submit to Congress, not later than one year
25 after the date of enactment of this Act—

1 (1) a Strategic Plan for the National Earth-
2 quake Hazards Reduction Program that includes—

3 (A) prioritized goals for such Program that
4 will mitigate against the loss of life and prop-
5 erty from future earthquakes;

6 (B) short-term, mid-term, and long-term
7 research objectives to achieve those goals;

8 (C) a description of the role of each Pro-
9 gram agency in achieving the prioritized goals;

10 (D) the methods by which progress to-
11 wards the goals will be assessed;

12 (E) an explanation of how the Program
13 will foster the transfer of research results into
14 outcomes, such as improved model building
15 codes;

16 (F) a description of how the George E.
17 Brown, Jr. Network for Earthquake Engineer-
18 ing Simulation and the Advanced National Seis-
19 mic Research and Monitoring System will be
20 used in achieving the prioritized goals and re-
21 search objectives; and

22 (G) an explanation of how the Program
23 will coordinate its activities with other Federal
24 agencies performing activities relevant to the
25 Program; and

1 (2) a Strategic Plan for the National Wind-
2 storm Impact Reduction Program that includes—

3 (A) prioritized goals for such Program that
4 will mitigate against the loss of life and prop-
5 erty from future windstorms;

6 (B) short-term, mid-term, and long-term
7 research objectives to achieve those goals;

8 (C) a description of the role of each Pro-
9 gram agency in achieving the prioritized goals;

10 (D) the methods by which progress to-
11 wards the goals will be assessed;

12 (E) an explanation of how the Program
13 will foster the transfer of research results into
14 outcomes, such as improved model building
15 codes; and

16 (F) an explanation of how the Program
17 will coordinate its activities with other Federal
18 agencies performing activities relevant to the
19 Program.

20 (f) PROGRESS REPORTS.—Not later than 18 months
21 after the date of enactment of this Act, the Committee
22 shall submit to the Congress—

23 (1) a report on the progress of the National
24 Earthquake Hazards Reduction Program that in-
25 cludes—

1 (A) a description of the activities funded
2 under the Program, a description of how these
3 activities align with the prioritized goals and re-
4 search objectives established in the Strategic
5 Plan, and the budgets, per agency, for these ac-
6 tivities;

7 (B) the outcomes achieved by the Program
8 for each of the goals identified in the Strategic
9 Plan;

10 (C) a description of any recommendations
11 made to change existing building codes that
12 were the result of Program activities; and

13 (D) a description of the extent to which
14 the Program has incorporated recommendations
15 from the Advisory Committee on Earthquake
16 Hazards Reduction; and

17 (2) a report on the progress of the National
18 Windstorm Impact Reduction Program that in-
19 cludes—

20 (A) a description of the activities funded
21 under the Program, a description of how these
22 activities align with the prioritized goals and re-
23 search objectives established in the Strategic
24 Plan, and the budgets, per agency, for these ac-
25 tivities;

1 (B) the outcomes achieved by the Program
2 for each of the goals identified in the Strategic
3 Plan;

4 (C) a description of any recommendations
5 made to change existing building codes that
6 were the result of Program activities; and

7 (D) a description of the extent to which
8 the Program has incorporated recommendations
9 from the Advisory Committee on Windstorm
10 Impact Reduction.

11 (g) COORDINATED BUDGET.—The Committee shall
12 develop a coordinated budget for the National Earthquake
13 Hazards Reduction Program and a coordinated budget for
14 the National Windstorm Impact Reduction Program.
15 These budgets shall be submitted to the Congress at the
16 time of the President’s budget submission for each fiscal
17 year.

18 **SEC. 302. COORDINATION OF FEDERAL DISASTER RE-**
19 **SEARCH, DEVELOPMENT, AND TECHNOLOGY**
20 **TRANSFER.**

21 Not later than 2 years after the date of enactment
22 of this Act, the Subcommittee on Disaster Reduction of
23 the Committee on Environment and Natural Resources of
24 the National Science and Technology Council shall submit
25 a report to the Congress detailing—

1 (1) current Federal research, development, and
2 technology transfer activities that address hazard
3 mitigation for natural disasters, including earth-
4 quakes, windstorms, wildfires, floods, and the cur-
5 rent budgets for these activities;

6 (2) areas of research that are common to two
7 or more of the hazards identified in paragraph (1);

8 (3) opportunities to create synergies between
9 the research activities for the hazards identified in
10 paragraph (1); and

11 (4) the status of coordination of Federal dis-
12 aster research, development, and technology transfer
13 activities including those of the National Earthquake
14 Hazards Reduction Program and the National
15 Windstorm Impact Reduction Program.

16 **SEC. 303. AUTHORIZATIONS.**

17 No additional funds are authorized to carry out this
18 title. This title shall be carried out using amounts other-
19 wise authorized or appropriated.

○