

Union Calendar No. 480

112TH CONGRESS
2^D SESSION

H. R. 3479

[Report No. 112-666, Part I]

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

SEPTEMBER 12, 2012

Reported from the Committee on Science, Space, and Technology

[Strike out all after the enacting clause and insert the part printed in *italic*]

SEPTEMBER 12, 2012

The Committees on Transportation and Infrastructure and Natural Resources discharged; committed to the Committee of the Whole House on the State of the Union and ordered to be printed

[For text of introduced bill, see copy of bill as introduced on November 18, 2011]

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 Reduc-
tion.

Sec. 302. Coordination of Federal disaster research, development, and technology
transfer.

Sec. 303. Authorizations.

TITLE IV—FIRE RESEARCH PROGRAM

Sec. 401. Fire research program.

8 ***TITLE I—EARTHQUAKES***

9 **SEC. 101. SHORT TITLE.**

10 *This title may be cited as the “National Earthquake*
 11 *Hazards Reduction Program Reauthorization Act of 2011”.*

1 **SEC. 102. DEFINITIONS.**

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

5 **SEC. 103. NATIONAL EARTHQUAKE HAZARDS REDUCTION**
6 **PROGRAM.**

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

9 *(1) in subsection (a)—*

10 *(A) in paragraph (1), by inserting “to be*
11 *administered, as provided under this section, by*
12 *the National Institute of Standards and Tech-*
13 *nology, the Federal Emergency Management*
14 *Agency, the United States Geological Survey,*
15 *and the National Science Foundation” after*
16 *“Reduction Program”;*

17 *(B) in paragraph (2)—*

18 *(i) by amending subparagraph (A) to*
19 *read as follows:*

20 *“(A) research and develop effective methods,*
21 *tools, and technologies to reduce the risk posed by*
22 *earthquakes to the built environment, especially*
23 *to lessen the risk to existing structures and life-*
24 *lines;”;*

1 (ii) in subparagraph (B), by inserting
2 “and retrofitting” after “planning and con-
3 structing”;

4 (iii) by striking “and” at the end of
5 subparagraph (C);

6 (iv) in subparagraph (D), by striking
7 the period at the end and inserting “, as
8 appropriate; and”; and

9 (v) by adding at the end the following
10 new subparagraph:

11 “(E) support public education and outreach
12 to assist different populations, including individ-
13 uals and households with special needs, in pre-
14 paring for and responding to earthquake-related
15 disasters.”; and

16 (C) by striking paragraphs (3) through (5);
17 (2) in subsection (b)—

18 (A) by amending paragraph (1) to read as
19 follows:

20 “(1) LEAD AGENCY.—The National Institute of
21 Standards and Technology shall have the primary re-
22 sponsibility for planning and coordinating the Pro-
23 gram. In carrying out this paragraph, the Director of
24 the Institute shall—

1 “(A) ensure that the Program includes the
2 necessary components to promote the implemen-
3 tation of earthquake hazards risk reduction
4 measures by Federal, State, and local govern-
5 ments, national standards and model building
6 code organizations, architects and engineers, and
7 others with a role in planning, constructing, and
8 retrofitting structures and lifelines;

9 “(B) support the development of perform-
10 ance-based seismic engineering tools, and work
11 with appropriate groups to promote the commer-
12 cial application of such tools, through earth-
13 quake-related model building codes, voluntary
14 standards, and construction best practices;

15 “(C) request the assistance of Federal agen-
16 cies other than the Program agencies, as nec-
17 essary to assist in carrying out this Act;

18 “(D) work with the Federal Emergency
19 Management Agency, the National Science Foun-
20 dation, and the United States Geological Survey,
21 to develop a comprehensive plan for earthquake
22 engineering research to effectively use existing
23 testing facilities and laboratories (existing at the
24 time of the development of the plan), upgrade fa-
25 cilities and equipment as needed, and integrate

1 *new, innovative testing approaches to the re-*
2 *search infrastructure in a systematic manner;*
3 *and*

4 *“(E) when warranted by research or inves-*
5 *tigative findings, issue recommendations to as-*
6 *sist in informing the development of model codes,*
7 *and provide information to Congress on the use*
8 *of such recommendations.”;*

9 *(B) in paragraph (3)—*

10 *(i) in subparagraph (A), by striking*
11 *“seismic microzonation” and inserting “de-*
12 *tailed seismic hazard and risk”;*

13 *(ii) by amending subparagraphs (F)*
14 *and (G) to read as follows:*

15 *“(F) operate, in cooperation with the Na-*
16 *tional Science Foundation, a Global Seis-*
17 *mographic Network for detection of earthquakes*
18 *around the world and research into fundamental*
19 *earth processes;*

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

22 *(iii) by striking the period at the end*
23 *of subparagraph (H) and inserting a semi-*
24 *colon; and*

1 (iv) by amending subparagraph (I) to
2 read as follows:

3 “(I) work with other Program agencies to
4 maintain awareness of, and where appropriate
5 coordinate with, earthquake risk reduction efforts
6 in other countries to ensure that the Program
7 benefits from relevant information and advances
8 in those countries; and”;

9 (C) in paragraph (4)(D), by striking “of the
10 George” and all that follows through “Reduction
11 Program” and inserting “of institutions engaged
12 in research and the implementation of the Na-
13 tional Earthquake Hazards Reduction Program,
14 which may include the George E. Brown Jr. Net-
15 work for Earthquake Engineering Simulation”;
16 and

17 (D) in paragraph (5)—

18 (i) in subparagraph (C)—

19 (I) by inserting “and other stake-
20 holders with relevant expertise” after
21 “standards organizations”; and

22 (II) by inserting “and” after the
23 semicolon at the end;

1 (ii) by striking “; and” at the end of
2 subparagraph (D) and inserting a period;
3 and

4 (iii) by striking subparagraph (E);
5 (3) by redesignating subsection (c) as subsection
6 (d);

7 (4) by inserting after subsection (b) the following
8 new subsection:

9 “(c) *ADVISORY COMMITTEE ON EARTHQUAKE HAZ-*
10 *ARDS REDUCTION.*—

11 “(1) *IN GENERAL.*—*The Director of the National*
12 *Institute of Standards and Technology shall establish*
13 *an Advisory Committee on Earthquake Hazards Re-*
14 *duction, which shall be composed of at least 11 mem-*
15 *bers, none of whom may be employees of the Federal*
16 *Government, including representatives of research and*
17 *academic institutions, industry standards develop-*
18 *ment organizations, emergency management agencies,*
19 *State and local government, and business commu-*
20 *nities who are qualified to provide advice on earth-*
21 *quake hazards reduction and represent all related sci-*
22 *entific, architectural, and engineering disciplines. The*
23 *recommendations of the Advisory Committee shall be*
24 *considered by Federal agencies in implementing the*
25 *Program.*

1 “(2) *ASSESSMENTS.*—*The Advisory Committee*
2 *on Earthquake Hazards Reduction shall offer assess-*
3 *ments on—*

4 “(A) *trends and developments in the nat-*
5 *ural, social, and engineering sciences and prac-*
6 *tices of earthquake hazards impact mitigation;*

7 “(B) *the priorities of the Program’s Stra-*
8 *tegic Plan;*

9 “(C) *the coordination of the Program; and*

10 “(D) *any revisions to the Program which*
11 *may be necessary.*

12 “(3) *COMPENSATION.*—*The members of the Advi-*
13 *sory Committee established under this subsection shall*
14 *serve without compensation.*

15 “(4) *REPORTS.*—*At least every 2 years, the Ad-*
16 *visory Committee shall report to the Director of the*
17 *National Institute of Standards and Technology on*
18 *the assessments carried out under paragraph (2) and*
19 *its recommendations for ways to improve the Pro-*
20 *gram.*

21 “(5) *TERMINATION.*—*The Advisory Committee*
22 *established under this subsection shall terminate not*
23 *later than 5 years after the date of enactment of the*
24 *Natural Hazards Risk Reduction Act of 2011.”; and*

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

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

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

12 **SEC. 105. AUTHORIZATION OF APPROPRIATIONS.**

13 (a) *IN GENERAL.*—Section 12 of the Earthquake Haz-
14 ards Reduction Act of 1977 (42 U.S.C. 7706) is amended
15 to read as follows:

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

17 “(a) *FEDERAL EMERGENCY MANAGEMENT AGENCY.*—
18 There are authorized to be appropriated to the Federal
19 Emergency Management Agency for carrying out this Act—

20 “(1) \$6,400,000 for fiscal year 2012;

21 “(2) \$6,400,000 for fiscal year 2013; and

22 “(3) \$6,400,000 for fiscal year 2014.

23 “(b) *UNITED STATES GEOLOGICAL SURVEY.*—There
24 are authorized to be appropriated to the United States Geo-
25 logical Survey for carrying out this Act—

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

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

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

4 “(c) NATIONAL SCIENCE FOUNDATION.—There are au-
5 thorized to be appropriated to the National Science Foun-
6 dation for carrying out this Act—

7 “(1) \$53,800,000 for fiscal year 2012;

8 “(2) \$53,800,000 for fiscal year 2013; and

9 “(3) \$53,800,000 for fiscal year 2014.

10 “(d) NATIONAL INSTITUTE OF STANDARDS AND TECH-
11 NOLOGY.—There are authorized to be appropriated to the
12 National Institute of Standards and Technology for car-
13 rying out this Act—

14 “(1) \$4,100,000 for fiscal year 2012;

15 “(2) \$4,100,000 for fiscal year 2013; and

16 “(3) \$4,100,000 for fiscal year 2014.”.

17 (b) CONFORMING AMENDMENT.—Section 14 of the
18 Earthquake Hazards Reduction Act of 1977 (42 U.S.C.
19 7708) is amended—

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

21 (2) by striking subsection (b).

22 **TITLE II—WIND**

23 **SEC. 201. SHORT TITLE.**

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

1 **SEC. 202. DEFINITIONS.**

2 *Section 203(1) of the National Windstorm Impact Re-*
3 *duction Act of 2004 (42 U.S.C. 15702(1)) is amended by*
4 *striking “Director of the Office of Science and Technology*
5 *Policy” and inserting “Director of the National Institute*
6 *of Standards and Technology”.*

7 **SEC. 203. NATIONAL WINDSTORM IMPACT REDUCTION PRO-**
8 **GRAM.**

9 *Section 204 of the National Windstorm Impact Reduc-*
10 *tion Act of 2004 (42 U.S.C. 15703) is amended—*

11 *(1) by striking subsections (a), (b), and (c) and*
12 *inserting the following:*

13 *“(a) ESTABLISHMENT.—There is established the Na-*
14 *tional Windstorm Impact Reduction Program, the purpose*
15 *of which is to achieve major measurable reductions in the*
16 *losses of life and property from windstorms through a co-*
17 *ordinated Federal effort, in cooperation with other levels of*
18 *government, academia, and the private sector, aimed at im-*
19 *proving the understanding of windstorms and their impacts*
20 *and developing and encouraging the implementation of*
21 *cost-effective mitigation measures to reduce those impacts.*

22 *“(b) RESPONSIBILITIES OF PROGRAM AGENCIES.—*

23 *“(1) LEAD AGENCY.—The National Institute of*
24 *Standards and Technology shall have the primary re-*
25 *sponsibility for planning and coordinating the Pro-*

1 *gram. In carrying out this paragraph, the Director*
2 *shall—*

3 “(A) *ensure that the Program includes the*
4 *necessary components to promote the implemen-*
5 *tation of windstorm risk reduction measures by*
6 *Federal, State, and local governments, national*
7 *standards and model building code organiza-*
8 *tions, architects and engineers, and others with*
9 *a role in planning and constructing buildings*
10 *and lifelines;*

11 “(B) *support the development of perform-*
12 *ance-based engineering tools, and work with ap-*
13 *propriate groups to promote the commercial ap-*
14 *plication of such tools, including through wind-*
15 *related model building codes, voluntary stand-*
16 *ards, and construction best practices;*

17 “(C) *request the assistance of Federal agen-*
18 *cies other than the Program agencies, as nec-*
19 *essary to assist in carrying out this Act;*

20 “(D) *coordinate all Federal post-windstorm*
21 *investigations; and*

22 “(E) *when warranted by research or inves-*
23 *tigative findings, issue recommendations to as-*
24 *sist in informing the development of model codes,*

1 *and provide information to Congress on the use*
2 *of such recommendations.*

3 “(2) *NATIONAL INSTITUTE OF STANDARDS AND*
4 *TECHNOLOGY.—In addition to the lead agency re-*
5 *sponsibilities described under paragraph (1), the Na-*
6 *tional Institute of Standards and Technology shall be*
7 *responsible for carrying out research and development*
8 *to improve model building codes, voluntary standards,*
9 *and best practices for the design, construction, and*
10 *retrofit of buildings, structures, and lifelines.*

11 “(3) *NATIONAL SCIENCE FOUNDATION.—The Na-*
12 *tional Science Foundation shall support research in*
13 *engineering and the atmospheric sciences to improve*
14 *the understanding of the behavior of windstorms and*
15 *their impact on buildings, structures, and lifelines.*

16 “(4) *NATIONAL OCEANIC AND ATMOSPHERIC AD-*
17 *MINISTRATION.—The National Oceanic and Atmos-*
18 *pheric Administration shall support atmospheric*
19 *sciences research and data collection to improve the*
20 *understanding of the behavior of windstorms and*
21 *their impact on buildings, structures, and lifelines.*

22 “(5) *FEDERAL EMERGENCY MANAGEMENT AGEN-*
23 *CY.—The Federal Emergency Management Agency*
24 *shall support the development of risk assessment tools*
25 *and effective mitigation techniques, windstorm-related*

1 *data collection and analysis, public outreach, infor-*
2 *mation dissemination, and implementation of mitiga-*
3 *tion measures consistent with the Agency’s all-hazards*
4 *approach.”;*

5 *(2) by redesignating subsection (d) as subsection*
6 *(c);*

7 *(3) in subsection (c), as so redesignated by para-*
8 *graph (2) of this section, amend paragraph (4)(A) to*
9 *read as follows:*

10 *“(A) development of improved outreach and*
11 *implementation mechanisms to translate—*

12 *“(i) existing information and research*
13 *findings into cost-effective and affordable*
14 *practices for design and construction profes-*
15 *sionals, and State and local officials; and*

16 *“(ii) research, including social science*
17 *research, into windstorm risk mitigation*
18 *and preparedness strategies for individuals*
19 *and households, including individuals and*
20 *households with special needs, and busi-*
21 *nesses;”;* and

22 *(4) by striking subsections (e) and (f).*

1 **SEC. 204. NATIONAL ADVISORY COMMITTEE ON WIND-**
2 **STORM IMPACT REDUCTION.**

3 *Section 205 of the National Windstorm Impact Reduc-*
4 *tion Act of 2004 (42 U.S.C. 15704) is amended to read as*
5 *follows:*

6 **“SEC. 205. NATIONAL ADVISORY COMMITTEE ON WIND-**
7 **STORM IMPACT REDUCTION.**

8 *“(a) IN GENERAL.—The Director of the National In-*
9 *stitute of Standards and Technology shall establish an Ad-*
10 *visory Committee on Windstorm Impact Reduction, which*
11 *shall be composed of at least 7 members, none of whom may*
12 *be employees of the Federal Government, including rep-*
13 *resentatives of research and academic institutions, industry*
14 *standards development organizations, emergency manage-*
15 *ment agencies, State and local government, and business*
16 *communities who are qualified to provide advice on wind-*
17 *storm impact reduction and represent all related scientific,*
18 *architectural, and engineering disciplines. The rec-*
19 *ommendations of the Advisory Committee shall be consid-*
20 *ered by Federal agencies in implementing the Program.*

21 *“(b) ASSESSMENTS.—The Advisory Committee on*
22 *Windstorm Impact Reduction shall offer assessments on—*

23 *“(1) trends and developments in the natural, so-*
24 *cial, and engineering sciences and practices of wind-*
25 *storm impact mitigation;*

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

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

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

6 “(c) COMPENSATION.—The members of the Advisory
7 Committee established under this section shall serve without
8 compensation.

9 “(d) REPORTS.—At least every 2 years, the Advisory
10 Committee shall report to the Director on the assessments
11 carried out under subsection (b) and its recommendations
12 for ways to improve the Program.

13 “(e) TERMINATION.—The Advisory Committee shall
14 terminate not later than 5 years after the date of enactment
15 of the Natural Hazards Risk Reduction Act of 2011.”.

16 **SEC. 205. AUTHORIZATION OF APPROPRIATIONS.**

17 Section 207 of the National Windstorm Impact Reduc-
18 tion Act of 2004 (42 U.S.C. 15706) is amended to read as
19 follows:

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

21 “(a) FEDERAL EMERGENCY MANAGEMENT AGENCY.—
22 There are authorized to be appropriated to the Federal
23 Emergency Management Agency for carrying out this
24 title—

25 “(1) \$4,000,000 for fiscal year 2012;

1 “(2) \$4,000,000 for fiscal year 2013; and

2 “(3) \$4,000,000 for fiscal year 2014.

3 “(b) NATIONAL SCIENCE FOUNDATION.—There are au-
4 thORIZED to be appropriated to the National Science Foun-
5 dation for carrying out this title—

6 “(1) \$9,400,000 for fiscal year 2012;

7 “(2) \$9,400,000 for fiscal year 2013; and

8 “(3) \$9,400,000 for fiscal year 2014.

9 “(c) NATIONAL INSTITUTE OF STANDARDS AND TECH-
10 NOLOGY.—There are authorized to be appropriated to the
11 National Institute of Standards and Technology for car-
12 rying out this title—

13 “(1) \$5,300,000 for fiscal year 2012;

14 “(2) \$5,300,000 for fiscal year 2013; and

15 “(3) \$5,300,000 for fiscal year 2014.

16 “(d) NATIONAL OCEANIC AND ATMOSPHERIC ADMINIS-
17 TRATION.—There are authorized to be appropriated to the
18 National Oceanic and Atmospheric Administration for car-
19 rying out this title—

20 “(1) \$2,700,000 for fiscal year 2012;

21 “(2) \$2,700,000 for fiscal year 2013; and

22 “(3) \$2,700,000 for fiscal year 2014.”.

1 **TITLE III—INTERAGENCY**
2 **COORDINATION**

3 **SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON**
4 **NATURAL HAZARDS RISK REDUCTION.**

5 (a) *ESTABLISHMENT.*—*There is established an Inter-*
6 *agency Coordinating Committee on Natural Hazards Risk*
7 *Reduction, chaired by the Director of the National Institute*
8 *of Standards and Technology.*

9 (b) *MEMBERSHIP.*—*In addition to the chair, the Com-*
10 *mittee shall be composed of—*

11 (1) *the heads of—*

12 (A) *the Federal Emergency Management*
13 *Agency;*

14 (B) *the United States Geological Survey;*

15 (C) *the National Oceanic and Atmospheric*
16 *Administration;*

17 (D) *the National Science Foundation;*

18 (E) *the Office of Science and Technology*
19 *Policy; and*

20 (F) *the Office of Management and Budget;*

21 *and*

22 (2) *the head of any other Federal agency the*
23 *chair considers appropriate.*

1 (c) *MEETINGS.*—*The Committee shall meet not less*
2 *than 1 time a year at the call of the Director of the National*
3 *Institute of Standards and Technology.*

4 (d) *GENERAL PURPOSE AND DUTIES.*—*The Committee*
5 *shall oversee the planning and coordination of the National*
6 *Earthquake Hazards Reduction Program and the National*
7 *Windstorm Impact Reduction Program, and shall make*
8 *proposals for planning and coordination of any other Fed-*
9 *eral research for natural hazard mitigation that the Com-*
10 *mittee considers appropriate.*

11 (e) *STRATEGIC PLANS.*—*The Committee shall develop*
12 *and submit to Congress, not later than one year after the*
13 *date of enactment of this Act—*

14 (1) *a Strategic Plan for the National Earthquake*
15 *Hazards Reduction Program that includes—*

16 (A) *prioritized goals for such Program that*
17 *will mitigate against the loss of life and property*
18 *from future earthquakes;*

19 (B) *short-term, mid-term, and long-term re-*
20 *search objectives to achieve those goals;*

21 (C) *a description of the role of each Pro-*
22 *gram agency in achieving the prioritized goals;*

23 (D) *the methods by which progress towards*
24 *the goals will be assessed;*

1 (E) an explanation of how the Program will
2 foster the transfer of research results into out-
3 comes, such as improved model building codes;

4 (F) a description of how the George E.
5 Brown, Jr. Network for Earthquake Engineering
6 Simulation and the Advanced National Seismic
7 Research and Monitoring System may be used in
8 achieving the prioritized goals and research ob-
9 jectives; and

10 (G) an explanation of how the Program will
11 coordinate its activities with other Federal agen-
12 cies performing activities relevant to the Pro-
13 gram; and

14 (2) a Strategic Plan for the National Windstorm
15 Impact Reduction Program that includes—

16 (A) prioritized goals for such Program that
17 will mitigate against the loss of life and property
18 from future windstorms;

19 (B) short-term, mid-term, and long-term re-
20 search objectives to achieve those goals;

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

23 (D) the methods by which progress towards
24 the goals will be assessed;

1 (E) an explanation of how the Program will
2 foster the transfer of research results into out-
3 comes, such as improved model building codes;
4 and

5 (F) an explanation of how the Program will
6 coordinate its activities with other Federal agen-
7 cies performing activities relevant to the Pro-
8 gram.

9 (f) *PROGRESS REPORTS.*—Not later than 18 months
10 after the date of enactment of this Act, the Committee shall
11 submit to the Congress—

12 (1) a report on the progress of the National
13 Earthquake Hazards Reduction Program that in-
14 cludes—

15 (A) a description of the activities funded
16 under the Program, a description of how these
17 activities align with the prioritized goals and re-
18 search objectives established in the Strategic
19 Plan, and the budgets, per agency, for these ac-
20 tivities;

21 (B) the outcomes achieved by the Program
22 for each of the goals identified in the Strategic
23 Plan;

1 (C) a description of any recommendations
2 made to change existing building codes that were
3 the result of Program activities;

4 (D) a description of activities carried out
5 under section 11 of the Earthquake Hazards Re-
6 duction Act of 1977 (42 U.S.C. 7705e), including
7 a description of agency activities and the
8 amount of funding provided for each investiga-
9 tion; and

10 (E) a description of the extent to which the
11 Program has incorporated recommendations
12 from the Advisory Committee on Earthquake
13 Hazards Reduction; and

14 (2) a report on the progress of the National
15 Windstorm Impact Reduction Program that in-
16 cludes—

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

23 (B) the outcomes achieved by the Program
24 for each of the goals identified in the Strategic
25 Plan;

1 (C) a description of any recommendations
2 made to change existing building codes that were
3 the result of Program activities; and

4 (D) a description of the extent to which the
5 Program has incorporated recommendations
6 from the Advisory Committee on Windstorm Im-
7 pact Reduction.

8 (g) *COORDINATED BUDGET.*—The Committee shall de-
9 velop a coordinated budget for the National Earthquake
10 Hazards Reduction Program and a coordinated budget for
11 the National Windstorm Impact Reduction Program. These
12 budgets shall be submitted to the Congress at the time of
13 the President’s budget submission for each fiscal year.

14 **SEC. 302. COORDINATION OF FEDERAL DISASTER RE-**
15 **SEARCH, DEVELOPMENT, AND TECHNOLOGY**
16 **TRANSFER.**

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

22 (1) current Federal research, development, and
23 technology transfer activities, including those of the
24 National Laboratories, that address hazard mitiga-
25 tion for natural disasters, including earthquakes,

1 *windstorms, wildfires, floods, and the current budgets*
2 *for these activities;*

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

5 *(3) opportunities to create synergies between the*
6 *research activities for the hazards identified in para-*
7 *graph (1); and*

8 *(4) the status of coordination of Federal disaster*
9 *research, development, and technology transfer activi-*
10 *ties including those of the National Earthquake Haz-*
11 *ards Reduction Program and the National Windstorm*
12 *Impact Reduction Program.*

13 **SEC. 303. AUTHORIZATIONS.**

14 *No additional funds are authorized to carry out this*
15 *title. This title shall be carried out using amounts otherwise*
16 *authorized or appropriated.*

17 **TITLE IV—FIRE RESEARCH**
18 **PROGRAM**

19 **SEC. 401. FIRE RESEARCH PROGRAM.**

20 *Section 16(a)(1) of the National Institute of Standards*
21 *and Technology Act (15 U.S.C. 278f(a)(1)) is amended—*

22 *(1) in subparagraph (D), by inserting “fires at*
23 *the wildland-urban interface that are the result of*
24 *natural causes,” after “but not limited to,”; and*

1 (2) *in subparagraph (E), by inserting “fires at*
2 *the wildland-urban interface that are the result of*
3 *natural causes,” after “types of fires, including”.*

Union Calendar No. 480

112TH CONGRESS
2^D SESSION

H. R. 3479

[Report No. 112-666, Part I]

A BILL

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

SEPTEMBER 12, 2012

Reported from the Committee on Science, Space, and
Technology

SEPTEMBER 12, 2012

The Committees on Transportation and Infrastructure and Natural Resources discharged; committed to the Committee of the Whole House on the State of the Union and ordered to be printed