H.R.3820

IN THE SENATE OF THE UNITED STATES

March 3, 2010

Received; read twice and referred to the Committee on Commerce, Science, and Transportation

AN ACT

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,

1 SECTION 1. SHORT TITLE.

- 2 This Act may be cited as the "Natural Hazards Risk
- 3 Reduction Act of 2010".
- 4 SEC. 2. FINDINGS.
- 5 Congress finds the following:
- 6 (1) The United States faces significant risks
- 7 from many types of natural hazards, including
- 8 earthquakes, hurricanes, tornadoes, wildfires, and
- 9 floods. Increasing numbers of Americans are living
- in areas prone to these hazards.
- 11 (2) Earthquakes occur without warning and can
- have devastating effects. According to the U.S. Geo-
- logical Survey, two recent earthquakes, the
- Northridge Earthquake in 1994, and the Loma
- Prieta Earthquake in 1989, killed nearly 100 people,
- injured 12,757, and caused \$33 billion in damages.
- 17 Nearly all States face some level of seismic risk.
- 18 Twenty-six urban areas in 14 States have a signifi-
- 19 cant seismic risk.
- 20 (3) Severe weather is the most costly natural
- 21 hazard, measured on a per year basis. According to
- data from the National Weather Service over the
- last 10 years, tornadoes, thunderstorms, and hurri-
- canes have caused an average of 226 fatalities and
- \$16 billion of property damage per year. The 2005
- hurricane season was one of the most destructive in

- United States history, killing 1,836 people, and
 causing \$80 billion in damage.
 - (4) The United States Fire Administration reports that 38 percent of new home construction in 2002 was in areas adjacent to, or intermixed with, wildlands. Fires in the wildland-urban interface are costly. For example, the 2007 California Witch fire alone caused \$1.3 billion in insured property losses, according to the Insurance Services Office (ISO). In addition, Government Accountability Office reported in 2007 that the Federal spending for wildfire suppression between 2001 and 2005 was, on average, \$2.9 billion per year.
 - (5) Developing better knowledge about natural hazard phenomena and their effects is crucial to assessing the risks these hazards pose to communities. Instrumentation, monitoring, and data gathering to characterize earthquakes and wind events are important activities to increase this knowledge.
 - (6) Current building codes and standards can mitigate the damages caused by natural hazards. The Institute for Business and Home Safety estimated that the \$19 billion in damage caused by Hurricane Andrew in 1994 could have been reduced by half if such codes and standards were in effect.

- Research for the continuous improvement of building codes, standards, and design practices—and for developing methods to retrofit existing structures—is crucial to mitigating losses from natural hazards.
 - (7) Since its creation in 1977, the National Earthquake Hazards Reduction Program (NEHRP) has supported research to develop seismic codes, standards, and building practices that have been widely adopted. The NEHRP Recommended Provisions for Seismic Regulations for New Buildings and Other Structures and the Guidance for Seismic Performance Assessment of Buildings are two examples.
 - (8) Research to understand the institutional, social, behavioral, and economic factors that influence how households, businesses, and communities perceive risk and prepare for natural hazards, and how well they recover after a disaster, can increase the implementation of risk mitigation measures.
 - (9) A major goal of the Federal natural hazards-related research and development effort should be to reduce the loss of life and damage to communities and infrastructure through increasing the adoption of hazard mitigation measures.
- (10) Research, development, and technology transfer to secure infrastructure is vitally important.

1	Infrastructure that supports electricity, transpor-
2	tation, drinking water, and other services is vital im-
3	mediately after a disaster, and their quick return to
4	function speeds the economic recovery of a disaster-
5	impacted community.
6	TITLE I—EARTHQUAKES
7	SEC. 101. SHORT TITLE.
8	This title may be cited as the "National Earthquake
9	Hazards Reduction Program Reauthorization Act of
10	2010".
11	SEC. 102. FINDINGS.
12	Section 2 of the Earthquake Hazards Reduction Act
13	of 1977 (42 U.S.C. 7701) is repealed.
14	SEC. 103. DEFINITIONS.
15	Section 4 of the Earthquake Hazards Reduction Act
16	of 1977 (42 U.S.C. 7703) is amended by striking para-
17	graphs (8) and (9).
18	SEC. 104. NATIONAL EARTHQUAKE HAZARDS REDUCTION
19	PROGRAM.
20	Section 5 of the Earthquake Hazards Reduction Act
21	of 1977 (42 U.S.C. 7704) is amended—
22	(1) in subsection (a)—
23	(A) by amending paragraph (2) to read as
24	follows:

1	"(2) Program activities.—The activities of
2	the Program shall be designed to—
3	"(A) research and develop effective meth-
4	ods, tools, and technologies to reduce the risk
5	posed by earthquakes to the built environment,
6	especially to lessen the risk to existing struc-
7	tures and lifelines;
8	"(B) improve the understanding of earth-
9	quakes and their effects on households, busi-
10	nesses, communities, buildings, structures, and
11	lifelines, through interdisciplinary and multi-
12	disciplinary research that involves engineering,
13	natural sciences, and social sciences; and
14	"(C) facilitate the adoption of earthquake
15	risk reduction measures by households, busi-
16	nesses, communities, local, State, and Federal
17	governments, national standards and model
18	building code organizations, architects and engi-
19	neers, building owners, and others with a role
20	in planning for disasters and planning, con-
21	structing, retrofitting, and insuring buildings,
22	structures, and lifelines through—
23	"(i) grants, contracts, cooperative
24	agreements, and technical assistance;

1	"(ii) development of standards, guide-
2	lines, voluntary consensus standards, and
3	other design guidance for earthquake haz-
4	ards risk reduction for buildings, struc-
5	tures, and lifelines;
6	"(iii) outreach and information dis-
7	semination to communities on location-spe-
8	cific earthquake hazards and methods to
9	reduce the risks from those hazards; and
10	"(iv) development and maintenance of
11	a repository of information, including tech-
12	nical data, on seismic risk and hazards re-
13	duction."; and
14	(B) by striking paragraphs (3) through
15	(5);
16	(2) by amending subsection (b) to read as fol-
17	lows:
18	"(b) Responsibilities of Program Agencies.—
19	"(1) Lead agency.—The National Institute of
20	Standards and Technology (in this section referred
21	to as the 'Institute') shall be responsible for plan-
22	ning and coordinating the Program. In carrying out
23	this paragraph, the Director of the Institute shall—
24	"(A) ensure that the Program includes the
25	necessary components to promote the imple-

1 mentation of earthquake hazards risk redu 2 measures by households, businesses, cor	action
2 measures by households, businesses, co-	
	mmu-
3 nities, local, State, and Federal government	nents
4 national standards and model building coo	de or-
5 ganizations, architects and engineers, bu	ilding
6 owners, and others with a role in preparing	ng for
disasters, or the planning, constructing,	retro-
8 fitting, and insuring of buildings, struc	tures
9 and lifelines;	
10 "(B) support the development of per	form-
ance-based seismic engineering tools, and	work
with the appropriate groups to promote	e the
commercial application of such tools, the	rough
earthquake-related building codes, stand	dards
and construction practices;	
16 "(C) ensure the use of social science	ce re-
search and findings in informing research	h and
technology development priorities, co	mmu-
nicating earthquake risks to the public,	devel-
oping earthquake risk mitigation strategies	s, and
21 preparing for earthquake disasters;	
22 "(D) coordinate all Federal post-	earth-
23 quake investigations; and	
24 "(E) when warranted by research or	inves-

tigative findings, issue recommendations for

changes in model codes to the relevant code development organizations, and report back to
Congress on whether such recommendations
were adopted.

- "(2) National institute of standards and technology.—In addition to the lead agency responsibilities described under paragraph (1), the Institute shall be responsible for carrying out research and development to improve building codes and standards and practices for buildings, structures, and lifelines. In carrying out this paragraph, the Director of the Institute shall—
 - "(A) work, in conjunction with other appropriate Federal agencies, to support the development of improved seismic standards and model codes;
 - "(B) in coordination with other appropriate Federal agencies, work closely with standards and model code development organizations, professional societies, and practicing engineers, architects, and others involved in the construction of buildings, structures, and lifelines, to promote better building practices, including by—

1	"(i) developing technical resources for
2	practitioners on new knowledge and stand-
3	ards of practice; and
4	"(ii) developing methods and tools to
5	facilitate the incorporation of earthquake
6	engineering principles into design and con-
7	struction practices;
8	"(C) develop tools, technologies, methods,
9	and practitioner guidance to feasibly and cost-
10	effectively retrofit existing buildings and struc-
11	tures to increase their earthquake resiliency;
12	and
13	"(D) work closely with national standards
14	organizations, and other interested parties, to
15	develop seismic safety standards and practices
16	for new and existing lifelines.
17	"(3) FEDERAL EMERGENCY MANAGEMENT
18	AGENCY.—
19	"(A) IN GENERAL.—The Federal Emer-
20	gency Management Agency (in this paragraph
21	referred to as the 'Agency'), consistent with the
22	Agency's all hazards approach, shall be respon-
23	sible for facilitating the development and adop-
24	tion of standards, model building codes, and
25	better seismic building practices, developing

1 tools to assess earthquake hazards, promoting 2 the adoption of hazard mitigation measures, 3 and carrying out a program of direct assistance 4 to States and localities to mitigate earthquake risks to buildings, structures, lifelines, and com-6 munities. "(B) DIRECTOR'S DUTIES.—The Director 7 8 of the Agency shall— 9 "(i) work closely with other relevant 10 Federal agencies, standards and model 11 building code development organizations, architects, engineers, and other profes-12 13 sionals, to facilitate the development and 14 adoption of standards, model codes, and 15 design and construction practices to in-16 crease the earthquake resiliency of new 17 and existing buildings, structures, and life-18 lines in the preparation, maintenance, 19 20 and wide dissemination of design 21 guidance, model building codes and 22 standards, and practices to increase 23 the earthquake resiliency of new and 24 existing buildings, structures, and life-25 lines:

1	"(II) development of perform-
2	ance-based design guidelines and
3	methodologies supporting model codes
4	for buildings, structures, and lifelines;
5	and
6	"(III) development of methods
7	and tools to facilitate the incorpora-
8	tion of earthquake engineering prin-
9	ciples into design and construction
10	practices;
11	"(ii) develop tools, technologies, and
12	methods to assist local planners, and oth-
13	ers, to model and predict the potential im-
14	pact of earthquake damage in seismically
15	hazardous areas; and
16	"(iii) support the implementation of a
17	comprehensive earthquake education and
18	public awareness program, including the
19	development of materials and their wide
20	dissemination to all appropriate audiences,
21	and support public access to locality-spe-
22	cific information that may assist the public
23	in preparing for, mitigating against, re-
24	sponding to, and recovering from earth-
25	guakes and related disasters.

1	"(C) STATE ASSISTANCE GRANT PRO-
2	GRAM.—The Director of the Agency shall oper-
3	ate a program of grants and assistance to en-
4	able States to develop mitigation, preparedness,
5	and response plans, compare inventories and
6	conduct seismic safety inspections of critical
7	structures and lifelines, update building and
8	zoning codes and ordinances to enhance seismic
9	safety, increase earthquake awareness and edu-
10	cation, and encourage the development of
11	multistate groups for such purposes. The Direc-
12	tor shall operate such programs in coordination
13	with the all hazards mitigation and prepared-
14	ness programs authorized by the Robert T.
15	Stafford Disaster Relief and Emergency Assist-
16	ance Act (42 U.S.C. 5121 et seq.), in order to
17	ensure that such programs are as consistent as
18	possible. In order to qualify for assistance
19	under this subparagraph, a State must—
20	"(i) demonstrate that the assistance
21	will result in enhanced seismic safety in
22	the State;
23	"(ii) provide 50 percent of the costs of
24	the activities for which assistance is being
25	given, except that the Director may lower

1	or waive the cost-share requirement for
2	these activities in exceptional cases of eco-
3	nomic hardship; and
4	"(iii) meet such other requirements as
5	the Director of the Agency shall prescribe.
6	"(D) FEDERAL EMERGENCY MANAGEMENT
7	AGENCY ROLE AND RESPONSIBILITY.—Nothing
8	in this Act shall be construed to diminish the
9	role and responsibility of the Federal Emer-
10	gency Management Agency with regard to all
11	hazards preparedness, response, recovery, and
12	mitigation.
13	"(4) United states geological survey.—
14	The United States Geological Survey (in this para-
15	graph referred to as the 'Survey') shall conduct re-
16	search and other activities necessary to characterize
17	and identify earthquake hazards, assess earthquake
18	risks, monitor seismic activity, and provide real-time
19	earthquake information. In carrying out this para-
20	graph, the Director of the Survey shall—
21	"(A) conduct a systematic assessment of
22	the seismic risks in each region of the Nation
23	prone to earthquakes, including, where appro-
24	priate, the establishment and operation of in-
25	tensive monitoring projects on hazardous faults.

detailed seismic hazard and risk studies in urban and other developed areas where earthquake risk is determined to be significant, and engineering seismology studies;

((P) work with officials of State and level

- "(B) work with officials of State and local governments to ensure that they are knowledgeable about the specific seismic risks in their areas;
- "(C) develop standard procedures, in consultation with the Director of the Federal Emergency Management Agency, for issuing earthquake alerts, including aftershock advisories, and, to the extent possible, ensure that such alerts are compatible with the Integrated Public Alerts and Warning System program authorized by section 202 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. 5132);
- "(D) issue when justified, and notify the Director of the Federal Emergency Management Agency of, an earthquake prediction or other earthquake advisory, which may be evaluated by the National Earthquake Prediction Evaluation Council;

1	"(E) operate, as integral parts of the Ad-
2	vanced National Seismic Research and Moni-
3	toring System, a National Earthquake Informa-
4	tion Center and a national seismic network, to-
5	gether providing timely and accurate informa-
6	tion on earthquakes world-wide;
7	"(F) support the operation of regional seis-
8	mic networks in areas of higher seismic risk;
9	"(G) develop and support seismic instru-
10	mentation of buildings and other structures to
11	obtain data on their response to earthquakes
12	for use in engineering studies and assessment
13	of damage;
14	"(H) monitor and assess Earth surface de-
15	formation as it pertains to the evaluation of
16	earthquake hazards and impacts;
17	"(I) work with other Program agencies to
18	maintain awareness of, and where appropriate
19	cooperate with, earthquake risk reduction ef-
20	forts in other countries, to ensure that the Pro-
21	gram benefits from relevant information and
22	advances in those countries;
23	"(J) maintain suitable seismic hazard
24	maps in support of building codes for structures
25	and lifelines, including additional maps needed

1	for performance-based design approaches, and,
2	to the extent possible, ensure that such maps
3	are developed consistent with the multihazard
4	advisory maps authorized by section 203(k) of
5	the Robert T. Stafford Disaster Relief and
6	Emergency Assistance Act (42 U.S.C. 5133(k));
7	"(K) conduct a competitive, peer-reviewed
8	process which awards grants and cooperative
9	agreements to complement and extend related
10	internal Survey research and monitoring activi-
11	ties; and
12	"(L) operate, in cooperation with the Na-
13	tional Science Foundation, a Global Seis-
14	mographic Network for detection of earth-
15	quakes around the world and research into fun-
16	damental earth processes.
17	"(5) NATIONAL SCIENCE FOUNDATION.—The
18	National Science Foundation shall be responsible for
19	funding basic research that furthers the under-
20	standing of earthquakes, earthquake engineering,
21	and community preparation and response to earth-
22	quakes. In carrying out this paragraph, the Director
23	of the National Science Foundation shall—
24	"(A) support multidisciplinary and inter-
25	disciplinary research that will improve the resil-

1	iency of communities to earthquakes, includ-
2	ing—
3	"(i) research that improves the safety
4	and performance of buildings, structures,
5	and lifelines, including the use of the large-
6	scale experimental and computational fa-
7	cilities of the George E. Brown, Jr. Net-
8	work for Engineering Earthquake Simula-
9	tion;
10	"(ii) research to support more effec-
11	tive earthquake mitigation and response
12	measures, such as developing better knowl-
13	edge of the specific types of vulnerabilities
14	faced by segments of the community vul-
15	nerable to earthquakes, addressing the bar-
16	riers they face in adopting mitigation and
17	preparation measures, and developing
18	methods to better communicate the risks of
19	earthquakes and to promote mitigation;
20	and
21	"(iii) research on the response of com-
22	munities, households, businesses, and
23	emergency responders to earthquakes;

1	"(B) support research to understand
2	earthquake processes, earthquake patterns, and
3	earthquake frequencies;
4	"(C) encourage prompt dissemination of
5	significant findings, sharing of data, samples,
6	physical collections, and other supporting mate-
7	rials, and development of intellectual property
8	so research results can be used by appropriate
9	organizations to mitigate earthquake damage;
10	"(D) work with other Program agencies to
11	maintain awareness of, and where appropriate
12	cooperate with, earthquake risk reduction re-
13	search efforts in other countries, to ensure that
14	the Program benefits from relevant information
15	and advances in those countries; and
16	"(E) include to the maximum extent prac-
17	ticable diverse institutions, including Histori-
18	cally Black Colleges and Universities, Hispanic-
19	serving institutions, Tribal Colleges and Univer-
20	sities, Alaska Native-serving institutions, and
21	Native Hawaiian-serving institutions."; and
22	(3) in subsection (c)(1) by inserting "on Nat-
23	ural Hazards Risk Reduction established under sec-
24	tion 301 of the Natural Hazards Risk Reduction Act

- of 2010" after "Interagency Coordinating Com-
- 2 mittee".

3 SEC. 105. POST-EARTHQUAKE INVESTIGATIONS PROGRAM.

- 4 Section 11 of the Earthquake Hazards Reduction Act
- 5 of 1977 (42 U.S.C. 7705e) is amended by striking "There
- 6 is established" and all that follows through "conduct of
- 7 such earthquake investigations." and inserting "The Pro-
- 8 gram shall include a post-earthquake investigations pro-
- 9 gram, the purpose of which is to investigate major earth-
- 10 quakes so as to learn lessons which can be applied to re-
- 11 duce the loss of lives and property in future earthquakes.
- 12 The lead Program agency, in consultation with each Pro-
- 13 gram agency, shall organize investigations to study the im-
- 14 plications of the earthquakes in the areas of responsibility
- 15 of each Program agency. The investigations shall begin
- 16 as rapidly as possible and may be conducted by grantees
- 17 and contractors. The Program agencies shall ensure that
- 18 the results of the investigations are disseminated widely.".

19 SEC. 106. AUTHORIZATION OF APPROPRIATIONS.

- 20 (a) In General.—Section 12 of the Earthquake
- 21 Hazards Reduction Act of 1977 (42 U.S.C. 7706) is
- 22 amended—
- 23 (1) by adding at the end of subsection (a) the
- 24 following:

1 "(9) There are authorized to be appropriated to the 2 Federal Emergency Management Agency for carrying out this Act— 3 4 "(A) \$10,238,000 for fiscal year 2010; 5 "(B) \$10,545,000 for fiscal year 2011; 6 "(C) \$10,861,000 for fiscal year 2012; "(D) \$11,187,000 for fiscal year 2013; and 7 8 "(E) \$11,523,000 for fiscal year 2014."; 9 (2) by adding at the end of subsection (b) the 10 following: 11 "(3) There are authorized to be appropriated to the 12 United States Geological Survey for carrying out this 13 Act— 14 "(A) \$90,000,000 for fiscal year 2010, of which 15 \$36,000,000 shall be made available for completion 16 of the Advanced National Seismic Research and 17 Monitoring System; 18 "(B) \$92,100,000 for fiscal year 2011, of which 19 \$37,000,000 shall be made available for completion 20 of the Advanced National Seismic Research and 21 Monitoring System; 22 "(C) \$94,263,000 for fiscal year 2012, of which 23 \$38,000,000 shall be made available for completion 24 of the Advanced National Seismic Research and 25 Monitoring System;

```
1
             "(D) $96,491,000 for fiscal year 2013, of which
 2
        $39,000,000 shall be made available for completion
 3
        of the Advanced National Seismic Research and
 4
        Monitoring System; and
             "(E) $98,786,000 for fiscal year 2014, of which
 5
 6
        $40,000,000 shall be made available for completion
 7
        of the Advanced National Seismic Research and
 8
        Monitoring System.";
 9
             (3) by adding at the end of subsection (c) the
10
        following:
11
        "(3) There are authorized to be appropriated to the
12
    National Science Foundation for carrying out this Act—
13
             "(A) $64,125,000 for fiscal year 2010;
14
             "(B) $66,049,000 for fiscal year 2011;
15
             "(C) $68,030,000 for fiscal year 2012;
             "(D) $70,071,000 for fiscal year 2013; and
16
17
             "(E) $72,173,000 for fiscal year 2014."; and
18
             (4) by adding at the end of subsection (d) the
19
        following:
20
        "(3) There are authorized to be appropriated to the
21
    National Institute of Standards and Technology for car-
22
    rying out this Act—
23
             "(A) $7,000,000 for fiscal year 2010;
24
             "(B) $7,700,000 for fiscal year 2011;
25
             "(C) $7,931,000 for fiscal year 2012;
```

1 "(D) \$8,169,000 for fiscal year 2013; and 2 "(E) \$8,414,000 for fiscal year 2014.". 3 (b) Conforming Amendment.—Section 14 of the National Earthquake Hazards Reduction Act of 1977 (42 U.S.C. 7708) is amended— 6 (1) by striking "(a) Establishment.—"; and 7 (2) by striking subsection (b). TITLE II—WIND 8 9 SEC. 201. SHORT TITLE. 10 This title may be cited as the "National Windstorm Impact Reduction Act Reauthorization of 2010". 12 SEC. 202. PURPOSE. 13 Section 202 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15701) is amended to 14 15 read as follows: 16 "SEC. 202. PURPOSE. 17 "It is the purpose of the Congress in this title to 18 achieve a major measurable reduction in losses of life and property from windstorms through the establishment and 19 maintenance of an effective Windstorm Impact Reduction 20 21 Program. The objectives of such Program shall include— "(1) the education of households, businesses, 22 23 and communities about the risks posed by wind-24 storms, and the identification of locations, struc-25 tures, lifelines, and segments of the community

- which are especially vulnerable to windstorm damage and disruption, and the dissemination of information on methods to reduce those risks;
 - "(2) the development of technologically and economically feasible design and construction methods and procedures to make new and existing structures, in areas of windstorm risk, windstorm resilient, giving high priority to the development of such methods and procedures for lifelines, structures associated with a potential high loss of life, and structures that are especially needed in times of disasters, such as hospitals and public safety and shelter facilities;
 - "(3) the implementation, in areas of major windstorm risk, of instrumentation to record and gather data on windstorms and the characteristics of the wind during those events, and continued research to increase the understanding of windstorm phenomena;
 - "(4) the development, publication, and promotion, in conjunction with State and local officials and professional organizations, of model building codes and standards and other means to encourage consideration of information about windstorm risk in making decisions about land use policy and construction activity; and

	- ~
1	"(5) the facilitation of the adoption of wind-
2	storm risk mitigation measures in areas of wind-
3	storm risk by households, businesses, and commu-
4	nities through outreach, incentive programs, and
5	other means.".
6	SEC. 203. DEFINITIONS.
7	Section 203(1) of the National Windstorm Impact
8	Reduction Act of 2004 (42 U.S.C. 15702(1)) is amended
9	by striking "Director of the Office of Science and Tech-
10	nology Policy" and inserting "Director of the National In-
11	stitute of Standards and Technology".
12	SEC. 204. NATIONAL WINDSTORM IMPACT REDUCTION PRO-
13	GRAM.
13 14	GRAM. Section 204 of the National Windstorm Impact Re-
14	Section 204 of the National Windstorm Impact Re-
14 15 16	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to
14 15 16	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to read as follows:
14 15 16 17	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to read as follows: "SEC. 204. NATIONAL WINDSTORM IMPACT REDUCTION
14 15 16 17 18	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to read as follows: "SEC. 204. NATIONAL WINDSTORM IMPACT REDUCTION PROGRAM.
14 15 16 17 18	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to read as follows: "SEC. 204. NATIONAL WINDSTORM IMPACT REDUCTION PROGRAM. "(a) ESTABLISHMENT.—There is established the National Windstorm Impact Reduction Program.
14 15 16 17 18 19 20	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to read as follows: "SEC. 204. NATIONAL WINDSTORM IMPACT REDUCTION PROGRAM. "(a) Establishment.—There is established the National Windstorm Impact Reduction Program.
14 15 16 17 18 19 20 21	Section 204 of the National Windstorm Impact Reduction Act of 2004 (42 U.S.C. 15703) is amended to read as follows: "SEC. 204. NATIONAL WINDSTORM IMPACT REDUCTION PROGRAM. "(a) ESTABLISHMENT.—There is established the National Windstorm Impact Reduction Program. "(b) Program Activities.—The activities of the

posed by windstorms to the built environment, espe-

1	cially to lessen the risk to existing structures and
2	lifelines;
3	"(2) improve the understanding of windstorms
4	and their impacts on households, businesses, com-
5	munities, buildings, structures, and lifelines, through
6	interdisciplinary and multidisciplinary research that
7	involves engineering, natural sciences, and social
8	sciences; and
9	"(3) facilitate the adoption of windstorm risk
10	reduction measures by households, businesses, com-
11	munities, local, State and Federal governments, na-
12	tional standards and model building code organiza-
13	tions, architects and engineers, building owners, and
14	others with a role in planning for disasters and plan-
15	ning, constructing, retrofitting, and insuring build-
16	ings, structures, and lifelines through—
17	"(A) grants, contracts, cooperative agree-
18	ments, and technical assistance;
19	"(B) development of hazard maps, stand-
20	ards, guidelines, voluntary consensus standards,
21	and other design guidance for windstorm risk
22	reduction for buildings, structures, and lifelines,
23	"(C) outreach and information dissemina-
24	tion to communities on site specific windstorm

1	hazards and ways to reduce the risks from
2	those hazards; and
3	"(D) development and maintenance of a
4	repository of information, including technical
5	data, on windstorm hazards and risk reduction;
6	"(c) Responsibilities of Program Agencies.—
7	"(1) Lead agency.—The National Institute of
8	Standards and Technology (in this section referred
9	to as the 'Institute') shall be responsible for plan-
10	ning and coordinating the Program. In carrying out
11	this paragraph, the Director of the Institute shall—
12	"(A) ensure that the Program includes the
13	necessary components to promote the imple-
14	mentation of windstorm risk reduction meas-
15	ures by households, businesses, communities,
16	local, State, and Federal governments, national
17	standards and model building code organiza-
18	tions, architects and engineers, building owners,
19	and others with a role in planning and pre-
20	paring for disasters, and planning constructing,
21	and retrofitting, and insuring buildings, struc-
22	tures, and lifelines;
23	"(B) support the development of perform-
24	ance-based engineering tools, and work with the
25	appropriate groups to promote the commercial

1	application of such tools, through wind-related
2	building codes, standards, and construction
3	practices;
4	"(C) ensure the use of social science re-
5	search and findings in informing the develop-
6	ment of technology and research priorities, in
7	communicating windstorm risks to the public
8	in developing windstorm risk mitigation strate-
9	gies, and in preparing for windstorm disasters
10	"(D) coordinate all Federal post-windstorm
11	investigations; and
12	"(E) when warranted by research or inves-
13	tigative findings, issue recommendations for
14	changes in model codes to the relevant code de-
15	velopment organizations, and report back to
16	Congress on whether such recommendations
17	were adopted.
18	"(2) National institute of standards and
19	TECHNOLOGY.—In addition to the lead agency re-
20	sponsibilities described under paragraph (1), the In-
21	stitute shall be responsible for carrying out research
22	and development to improve model codes, standards,
23	design guidance and practices for the construction

and retrofit of buildings, structures, and lifelines. In

1	carrying out this paragraph, the Director of the In-
2	stitute shall—
3	"(A) support the development of instru-
4	mentation, data processing, and archival capa-
5	bilities, and standards for the instrumentation
6	and its deployment, to measure wind, wind
7	loading, and other properties of severe wind and
8	structure response;
9	"(B) coordinate with other appropriate
10	Federal agencies to make the data described in
11	subparagraph (A) available to researchers,
12	standards and code developers, and local plan-
13	ners;
14	"(C) support the development of tools and
15	methods for the collection of data on the loss of
16	and damage to structures, and data on sur-
17	viving structures after severe windstorm events;
18	"(D) improve the knowledge of the impact
19	of severe wind on buildings, structures, lifelines,
20	and communities;
21	"(E) develop cost-effective windstorm im-
22	pact reduction tools, methods, and technologies;
23	"(F) work, in conjunction with other ap-
24	propriate Federal agencies, to support the de-

1	velopment of wind standards and model codes;
2	and
3	"(G) in conjunction with other appropriate
4	Federal agencies, work closely with standards
5	and model code development organizations, pro-
6	fessional societies, and practicing engineers, ar-
7	chitects, and others involved in the construction
8	of buildings, structures, and lifelines, to pro-
9	mote better building practices, including by—
10	"(i) supporting the development of
11	technical resources for practitioners to im-
12	plement new knowledge; and
13	"(ii) supporting the development of
14	methods and tools to incorporate wind en-
15	gineering principles into design and con-
16	struction practices.
17	"(3) Federal Emergency management
18	AGENCY.—The Federal Emergency Management
19	Agency, consistent with the Agency's all hazards ap-
20	proach, shall support the development of risk assess-
21	ment tools and effective mitigation techniques, assist
22	with windstorm-related data collection and analysis,
23	and support outreach, information dissemination,
24	and implementation of windstorm preparedness and

1	mitigation measures by households, businesses, and
2	communities, including by—
3	"(A) working to develop or improve risk-
4	assessment tools, methods, and models;
5	"(B) work closely with other appropriate
6	Federal agencies to develop and facilitate the
7	adoption of windstorm impact reduction meas-
8	ures, including by—
9	"(i) developing cost-effective retrofit
10	measures for existing buildings, structures,
11	and lifelines to improve windstorm per-
12	formance;
13	"(ii) developing methods, tools, and
14	technologies to improve the planning, de-
15	sign, and construction of new buildings,
16	structures, and lifelines;
17	"(iii) supporting the development of
18	model wind codes and standards for build-
19	ings, structures, and lifelines; and
20	"(iv) developing technical resources
21	for practitioners that reflect new knowl-
22	edge and standards of practice; and
23	"(C) develop and disseminate guidelines
24	for the construction of windstorm shelters.

- Nothing in this Act shall be construed to diminish
 the role and responsibility of the Federal Emergency
 Management Agency with regard to all hazards preparedness, response, recovery, and mitigation.
 - "(4) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.—The National Oceanic and Atmospheric Administration shall support atmospheric sciences research and data collection to improve the understanding of the behavior of windstorms and their impact on buildings, structures, and lifelines, including by—
 - "(A) working with other appropriate Federal agencies to develop and deploy instrumentation to measure speed and other characteristics of wind, and to collect, analyze, and make available such data;
 - "(B) working with officials of State and local governments to ensure that they are knowledgeable about, and prepared for, the specific windstorm risks in their area;
 - "(C) supporting the development of suitable wind speed maps and other derivative products that support building codes and other hazard mitigation approaches for buildings, structures, and lifelines, and, to the extent pos-

1 sible, ensure that such maps and other deriva-2 tive products are developed consistent with the 3 multihazard advisory maps authorized by sec-4 tion 203(k) of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42) 6 U.S.C. 5133(k)); "(D) conducting a competitive, peer-re-7 8 viewed process which awards grants and cooper-9 ative agreements to complement the National 10 Oceanic and Atmospheric Administration's 11 wind-related and storm surge-related research 12 and data collection activities; 13 "(E) working with other appropriate Fed-14 eral agencies and State and local governments 15 to develop or improve risk-assessment tools, 16 methods, and models; and 17 "(F) working with other appropriate Fed-18 eral agencies to develop storm surge models to 19 better understand the interaction between wind-20 storms and bodies of water. "(5) NATIONAL SCIENCE FOUNDATION.—The 21 22 National Science Foundation shall be responsible for 23 funding basic research that furthers the under-24 standing of windstorms, wind engineering, and com-

munity preparation and response to windstorms. In

1	carrying out this paragraph, the Director of the Na-
2	tional Science Foundation shall—
3	"(A) support multidisciplinary and inter-
4	disciplinary research that will improve the resil-
5	iency of communities to windstorms, includ-
6	ing—
7	"(i) research that improves the safety
8	and performance of buildings, structures,
9	and lifelines;
10	"(ii) research to support more effec-
11	tive windstorm mitigation and response
12	measures, such as developing better knowl-
13	edge of the specific types of vulnerabilities
14	faced by segments of the community vul-
15	nerable to windstorms, addressing the bar-
16	riers they face in adopting mitigation and
17	preparation measures, and developing
18	methods to better communicate the risks of
19	windstorms and to promote mitigation; and
20	"(iii) research on the response of com-
21	munities to windstorms, including on the
22	effectiveness of the emergency response,
23	and the recovery process of communities,
24	households, and businesses;

1	"(B) support research to understand wind
2	storm processes, windstorm patterns, and wind
3	storm frequencies;
4	"(C) encourage prompt dissemination o
5	significant findings, sharing of data, samples
6	physical collections, and other supporting mate
7	rials, and development of intellectual property
8	so research results can be used by appropriate
9	organizations to mitigate windstorm damage;
10	"(D) work with other Program agencies to
11	maintain awareness of, and where appropriate
12	cooperate with, windstorm risk reduction re
13	search efforts in other countries, to ensure that
14	the Program benefits from relevant information
15	and advances in those countries; and
16	"(E) include to the maximum extent prac
17	ticable diverse institutions, including Histori
18	cally Black Colleges and Universities, Hispanic
19	serving institutions, Tribal Colleges and Univer
20	sities, Alaska Native-serving institutions, and
21	Native Hawaiian-serving institutions.".
22	SEC. 205. AUTHORIZATION OF APPROPRIATIONS.
23	Section 207 of the National Windstorm Impact Re
24	duction Program of 2004 (42 U.S.C. 15706) is amended

25 to read as follows:

1 "SEC. 207. AUTHORIZATION OF APPROPRIATIONS.

- 2 "(a) Federal Emergency Management Agen-
- 3 CY.—There are authorized to be appropriated to the Fed-
- 4 eral Emergency Management Agency for carrying out this
- 5 title—
- 6 "(1) \$9,682,000 for fiscal year 2010;
- 7 "(2) \$9,972,500 for fiscal year 2011;
- 8 "(3) \$10,271,600 for fiscal year 2012;
- 9 "(4) \$10,579,800 for fiscal year 2013; and
- 10 "(5) \$10,897,200 for fiscal year 2014.
- 11 "(b) National Science Foundation.—There are
- 12 authorized to be appropriated to the National Science
- 13 Foundation for carrying out this title—
- "(1) \$9,682,000 for fiscal year 2010;
- "(2) \$9,972,500 for fiscal year 2011;
- "(3) \$10,271,600 for fiscal year 2012;
- 17 "(4) \$10,579,800 for fiscal year 2013; and
- 18 "(5) \$10,897,200 for fiscal year 2014.
- 19 "(c) National Institute of Standards and
- 20 Technology.—There are authorized to be appropriated
- 21 to the National Institute of Standards and Technology for
- 22 carrying out this title—
- 23 "(1) \$4,120,000 for fiscal year 2010;
- 24 "(2) \$4,243,600 for fiscal year 2011;
- 25 "(3) \$4,370,900 for fiscal year 2012;
- 26 "(4) \$4,502,000 for fiscal year 2013; and

1	"(5) \$4,637,100 for fiscal year 2014.
2	"(d) National Oceanic and Atmospheric Admin-
3	ISTRATION.—There are authorized to be appropriated to
4	the National Oceanic and Atmospheric Administration for
5	carrying out this title—
6	"(1) \$2,266,000 for fiscal year 2010;
7	"(2) \$2,334,000 for fiscal year 2011;
8	"(3) \$2,404,000 for fiscal year 2012;
9	"(4) $$2,476,100$ for fiscal year 2013; and
10	"(5) \$2,550,400 for fiscal year 2014.".
11	TITLE III—INTERAGENCY CO-
12	ORDINATING COMMITTEE ON
13	NATURAL HAZARDS RISK RE-
13 14	NATURAL HAZARDS RISK RE- DUCTION
14	DUCTION
14 15	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON
14 15 16 17	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION.
14 15 16 17	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION. (a) IN GENERAL.—There is established an Inter-
14 15 16 17	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION. (a) IN GENERAL.—There is established an Interagency Coordinating Committee on Natural Hazards Risk
14 15 16 17 18	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION. (a) IN GENERAL.—There is established an Interagency Coordinating Committee on Natural Hazards Risk Reduction, chaired by the Director of the National Insti-
14 15 16 17 18 19 20	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION. (a) IN GENERAL.—There is established an Interagency Coordinating Committee on Natural Hazards Risk Reduction, chaired by the Director of the National Institute of Standards and Technology. (1) Membership.—In addition to the chair,
14 15 16 17 18 19 20	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION. (a) IN GENERAL.—There is established an Interagency Coordinating Committee on Natural Hazards Risk Reduction, chaired by the Director of the National Institute of Standards and Technology.
14 15 16 17 18 19 20 21	DUCTION SEC. 301. INTERAGENCY COORDINATING COMMITTEE ON NATURAL HAZARDS RISK REDUCTION. (a) IN GENERAL.—There is established an Interagency Coordinating Committee on Natural Hazards Risk Reduction, chaired by the Director of the National Institute of Standards and Technology. (1) Membership.—In addition to the chair, the Committee shall be composed of—

1	(ii) the United State Geological Sur-
2	vey;
3	(iii) the National Oceanic and Atmos-
4	pheric Administration;
5	(iv) the National Science Foundation;
6	(v) the Office of Science and Tech-
7	nology Policy; and
8	(vi) the Office of Management and
9	Budget; and
10	(B) the head of any other Federal agency
11	the Committee considers appropriate.
12	(2) Meetings.—The Committee shall not meet
13	less than 2 times a year at the call of the Director
14	of the National Institute of Standards and Tech-
15	nology.
16	(3) General purpose and duties.—The
17	Committee shall oversee the planning and coordina-
18	tion of the National Earthquake Hazards Reduction
19	Program and the National Windstorm Impact Re-
20	duction Program, and shall make proposals for plan-
21	ning and coordination of any other Federal research
22	for natural hazard mitigation that the Committee
23	considers appropriate.

1	(4) Strategic plans.—The Committee shall
2	develop and submit to Congress, not later than one
3	year after the date of enactment of this Act—
4	(A) a Strategic Plan for the National
5	Earthquake Hazards Reduction Program that
6	includes—
7	(i) prioritized goals for such Program
8	that will mitigate against the loss of life
9	and property from future earthquakes;
10	(ii) short-term, mid-term, and long-
11	term research objectives to achieve those
12	goals;
13	(iii) a description of the role of each
14	Program agency in achieving the
15	prioritized goals;
16	(iv) the methods by which progress to-
17	wards the goals will be assessed;
18	(v) an explanation of how the Pro-
19	gram will foster the transfer of research
20	results onto outcomes, such as improved
21	building codes;
22	(vi) a description of the role of social
23	science in informing the development of
24	the prioritized goals and research objec-
25	tives; and

1	(vii) a description of how the George
2	E. Brown, Jr. Network for Earthquake
3	Engineering Simulation and the Advanced
4	National Seismic Research and Monitoring
5	System will be used in achieving the
6	prioritized goals and research objectives;
7	and
8	(B) a Strategic Plan for the National
9	Windstorm Impact Reduction Program that in-
10	cludes—
11	(i) prioritized goals for such Program
12	that will mitigate against the loss of life
13	and property from future windstorms;
14	(ii) short-term, mid-term, and long-
15	term research objectives to achieve those
16	goals;
17	(iii) a description of the role of each
18	Program agency in achieving the
19	prioritized goals;
20	(iv) the methods by which progress to-
21	wards the goals will be assessed;
22	(v) an explanation of how the Pro-
23	gram will foster the transfer of research
24	results onto outcomes, such as improved
25	building codes; and

1	(vi) a description of the role of social
2	science in informing the development of
3	the prioritized goals and research objec-
4	tives.
5	(5) Progress reports.—Not later than one
6	year after the date of enactment of this Act, and at
7	least once every two years thereafter, the Committee
8	shall submit to the Congress—
9	(A) a report on the progress of the Na-
10	tional Earthquake Hazards Reduction Program
11	that includes—
12	(i) a description of the activities fund-
13	ed for the previous two years of the Pro-
14	gram, a description of how these activities
15	align with the prioritized goals and re-
16	search objectives established in the Stra-
17	tegic Plan, and the budgets, per agency,
18	for these activities;
19	(ii) the outcomes achieved by the Pro-
20	gram for each of the goals identified in the
21	Strategic Plan;
22	(iii) a description of any recommenda-
23	tions made to change existing building
24	codes that were the result of Program ac-
25	tivities; and

1	(iv) a description of the extent to
2	which the Program has incorporated rec-
3	ommendations from the Advisory Com-
4	mittee on Earthquake Hazards Reduction;
5	and
6	(B) a report on the progress of the Na-
7	tional Windstorm Impact Reduction Program
8	that includes—
9	(i) a description of the activities fund-
10	ed for the previous two years of the Pro-
11	gram, a description of how these activities
12	align with the prioritized goals and re-
13	search objectives established in the Stra-
14	tegic Plan, and the budgets, per agency,
15	for these activities;
16	(ii) the outcomes achieved by the Pro-
17	gram for each of the goals identified in the
18	Strategic Plan;
19	(iii) a description of any recommenda-
20	tions made to change existing building
21	codes that were the result of Program ac-
22	tivities; and
23	(iv) a description of the extent to
24	which the Program has incorporated rec-

- ommendations from the Advisory Committee on Windstorm Impact Reduction.
- 3 (6) COORDINATED BUDGET.—The Committee 4 shall develop a coordinated budget for the National 5 Earthquake Hazards Reduction Program and a co-6 ordinated budget for the National Windstorm Im-7 pact Reduction Program. These budgets shall be 8 submitted to the Congress at the time of the Presi-9 dent's budget submission for each fiscal year.
- 10 (b) Advisory Committees on Natural Hazards11 Reduction.—
 - (1) In General.—The Director of the National Institute of Standards and Technology shall establish an Advisory Committee on Earthquake Hazards Reduction, an Advisory Committee on Windstorm Impact Reduction, and other such advisory committees as the Director considers necessary to advise the Institute on research, development, and technology transfer activities to mitigate the impact of natural disasters.
 - (2) Advisory Committee on Earthquake Hazards Reduction shall be composed of at least 11 members, none of whom may be employees of the Federal Government, including represent-

12

13

14

15

16

17

18

19

20

21

22

23

24

25

atives of research and academic institutions, industry standards development organizations, emergency management agencies, State and local government, and business communities who are qualified to provide advice on earthquake hazards reduction and represent all related scientific, architectural, and engineering disciplines. The recommendations of the Advisory Committee shall be considered by Federal agencies in implementing the National Earthquake Hazards Reduction Program.

(3) ADVISORY COMMITTEE ON WINDSTORM IMPACT REDUCTION.—The Advisory Committee on
Windstorm Impact Reduction shall be composed of
at least 7 members, none of whom may be employees
of the Federal Government, including representatives of research and academic institutions, industry
standards development organizations, emergency
management agencies, State and local government,
and business communities who are qualified to provide advice on windstorm impact reduction and represent all related scientific, architectural, and engineering disciplines. The recommendations of the Advisory Committee shall be considered by Federal
agencies in implementing the National Windstorm
Impact Reduction Program.

1	(4) Assessments.—The Advisory Committee
2	on Earthquake Hazards Reduction and the Advisory
3	Committee on Windstorm Impact Reduction shall
4	offer assessments on—
5	(A) trends and developments in the nat-
6	ural, social, and engineering sciences and prac-
7	tices of earthquake hazards or windstorm im-
8	pact mitigation;
9	(B) the priorities of the Programs' Stra-
10	tegic Plans;
11	(C) the coordination of the Programs; and
12	(D) and any revisions to the Programs
13	which may be necessary.
14	(5) Reports.—At least every two years, the
15	Advisory Committees shall report to the Director of
16	the National Institute of Standards and Technology
17	on the assessments carried out under paragraph (4)
18	and their recommendations for ways to improve the
19	Programs. In developing recommendations for the
20	National Earthquake Hazards Reduction Program,
21	the Advisory Committee on Earthquake Hazards Re-
22	duction shall consider the recommendations of the
23	United States Geological Survey Scientific Earth-

 ${\it quake Studies Advisory Committee}.$

24

1	(e) Coordination of Federal Disaster Re-
2	SEARCH, DEVELOPMENT, AND TECHNOLOGY TRANS-
3	FER.—Not later than 2 years after the date of enactment
4	of this Act, the Subcommittee on Disaster Reduction of
5	the Committee on Environment and Natural Resources of
6	the National Science and Technology Council shall submit
7	a report to the Congress identifying—
8	(1) current Federal research, development, and
9	technology transfer activities that address hazard
10	mitigation for natural disasters, including earth-
11	quakes, hurricanes, tornados, wildfires, floods, and
12	the current budgets for these activities;
13	(2) areas of research that are common to two
14	or more of the hazards identified in paragraph (1);
15	and
16	(3) opportunities to create synergies between
17	the research activities for the hazards identified in
18	paragraph (1).
19	TITLE IV—NATIONAL CON-
20	STRUCTION SAFETY TEAM
21	ACT AMENDMENTS
22	SEC. 401. NATIONAL CONSTRUCTION SAFETY TEAM ACT
23	AMENDMENTS.
24	The National Construction Safety Team Act (15
25	U.S.C. 7301 et sea) is amended—

1	(1) in section 2(a)—
2	(A) by striking "a building or buildings"
3	and inserting "a building, buildings, or infra-
4	structure"; and
5	(B) by striking "To the maximum extent
6	practicable, the Director shall establish and de-
7	ploy a Team within 48 hours after such ar
8	event." and inserting "The Director shall make
9	a decision whether to deploy a Team within 72
10	hours after such an event.";
11	(2) in section 2(b)(1), by striking "buildings"
12	and inserting "buildings or infrastructure";
13	(3) in section 2(b)(2)(A), by striking "building"
14	and inserting "building or infrastructure";
15	(4) in section 2(b)(2)(D), by striking "build-
16	ings" and inserting "buildings or infrastructure";
17	(5) in section 2(c)(1), by striking "the United
18	States Fire Administration and";
19	(6) in section 2(c)(1)(G), by striking "building"
20	and inserting "building or infrastructure";
21	(7) in section $2(c)(1)(J)$ —
22	(A) by striking "building" and inserting
23	"building or infrastructure"; and

1	(B) by inserting "and the National Wind-
2	storm Impact Reduction Act of 2004" after
3	"Act of 1977";
4	(8) in section 4(a), by striking "investigating a
5	building" and inserting "investigating building and
6	infrastructure";
7	(9) in section $4(a)(1)$ —
8	(A) by striking "a building" and inserting
9	"a building or infrastructure"; and
10	(B) by striking "building" both of the
11	other places it appears and inserting "building
12	or infrastructure";
13	(10) in section 4(a)(3), by striking "building"
14	both places it appears and inserting "building or in-
15	frastructure";
16	(11) in section 4(b), by striking "building" both
17	places it appears and inserting "building or infra-
18	structure'';
19	(12) in section $4(c)(1)$ and (2), by striking
20	"building" both places it appears and inserting
21	"building or infrastructure";
22	(13) by amending section $4(d)(1)$ to read as fol-
23	lows:
24	"(1) In general.—Except as otherwise pro-
25	vided in this subsection, a Team investigation shall

1 have priority over any other investigation which is 2 related to the purpose and duties set forth in section 2(b) and undertaken by any other Federal agency."; 3 4 (14) in section 4(d)(3) and (4), by striking 5 "building" both places it appears and inserting 6 "building or infrastructure"; 7 (15) in section 4, by adding at the end the fol-8 lowing new paragraph: 9 "(5) Infrastructure investigations.—With 10 respect to an investigation relating to an infrastruc-11 ture failure, a Federal agency with primary jurisdic-12 tion over the failed infrastructure which is con-13 ducting an investigation and asserts priority over the 14 Team investigation shall have such priority. Such 15 priority shall not otherwise affect the authority of 16 the Team to continue its investigation under this 17 Act."; (16) in section 7(a), by striking "on request 18 19 and at reasonable cost"; 20 (17) in section 7(c), by striking "building" and 21 inserting "building or infrastructure"; 22 (18) in section 8(1) and (4), by striking "build-23 ing" both places it appears and inserting "building

or infrastructure";

24

1	(19) in section 9, by striking "the United
2	States Fire Administration and";
3	(20) in section 9(2)(C), by striking "building"
4	and inserting "building or infrastructure";
5	(21) in section 10(3), by striking "building"
6	and inserting "building and infrastructure";
7	(22) in section 11(a), by striking "the United
8	States Fire Administration and"; and
9	(23) by striking section 12.
10	TITLE V—FIRE RESEARCH
10 11	TITLE V—FIRE RESEARCH PROGRAM
11	PROGRAM
11 12	PROGRAM SEC. 501. FIRE RESEARCH PROGRAM.
11 12 13	PROGRAM SEC. 501. FIRE RESEARCH PROGRAM. Section 16(a)(1) of the National Institute of Stand-
11 12 13 14	PROGRAM SEC. 501. FIRE RESEARCH PROGRAM. Section 16(a)(1) of the National Institute of Standards and Technology Act (15 U.S.C. 278f(a)(1)) is
11 12 13 14	PROGRAM SEC. 501. FIRE RESEARCH PROGRAM. Section 16(a)(1) of the National Institute of Standards and Technology Act (15 U.S.C. 278f(a)(1)) is amended—

- 1 (2) in subparagraph (E), by inserting "fires at
- 2 the wildland-urban interface," after "types of fires,
- 3 including".

Passed the House of Representatives March 2, 2010.

Attest: LORRAINE C. MILLER,

Clerk.