

106TH CONGRESS
1ST SESSION

H. R. 1184

IN THE SENATE OF THE UNITED STATES

APRIL 22, 1999

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

AN ACT

To authorize appropriations for carrying out the Earthquake
Hazards Reduction Act of 1977 for fiscal years 2000
and 2001, 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 “Earthquake Hazards
3 Reduction Authorization Act of 1999”.

4 **SEC. 2. AUTHORIZATION OF APPROPRIATIONS.**

5 (a) FEDERAL EMERGENCY MANAGEMENT AGEN-
6 CY.—Section 12(a) of the Earthquake Hazards Reduction
7 Act of 1977 (42 U.S.C. 7706(a)) is amended—

8 (1) by striking “(1) GENERAL.—” and all that
9 follows through “(7) There” and inserting “GEN-
10 ERAL.—There”;

11 (2) by striking “1998, and” and inserting
12 “1998,”; and

13 (3) by inserting “, \$19,800,000 for the fiscal
14 year ending September 30, 2000, and \$20,400,000
15 for the fiscal year ending September 30, 2001” after
16 “September 30, 1999”.

17 (b) UNITED STATES GEOLOGICAL SURVEY.—(1) Sec-
18 tion 12(b) of the Earthquake Hazards Reduction Act of
19 1977 (42 U.S.C. 7706(b)) is amended—

20 (A) by inserting “There are authorized to be
21 appropriated to the Secretary of the Interior for
22 purposes of carrying out, through the Director of
23 the United States Geological Survey, the responsibil-
24 ities that may be assigned to the Director under this
25 Act \$46,100,000 for fiscal year 2000, of which
26 \$3,500,000 shall be used for the Global Seismic Net-

1 work and \$100,000 shall be used for the Scientific
2 Earthquake Studies Advisory Committee established
3 under section 6 of the Earthquake Hazards Reduc-
4 tion Authorization Act of 1999; and \$47,500,000 for
5 fiscal year 2001, of which \$3,600,000 shall be used
6 for the Global Seismic Network and \$100,000 shall
7 be used for the Scientific Earthquake Studies Advi-
8 sory Committee established under section 6 of the
9 Earthquake Hazards Reduction Authorization Act of
10 1999.” after “operated by the Agency.”;

11 (B) by striking “and” at the end of paragraph
12 (1);

13 (C) by striking the comma at the end of para-
14 graph (2) and inserting a semicolon; and

15 (D) by inserting after paragraph (2) the fol-
16 lowing new paragraphs:

17 “(3) \$9,000,000 of the amount authorized to be
18 appropriated for fiscal year 2000; and

19 “(4) \$9,500,000 of the amount authorized to be
20 appropriated for fiscal year 2001,”.

21 (2) Section 2(a)(7) of the Act entitled “An Act to
22 authorize appropriations for carrying out the Earthquake
23 Hazards Reduction Act of 1977 for fiscal years 1998 and
24 1999, and for other purposes” is amended by inserting

1 “, \$1,600,000 for fiscal year 2000, and \$1,650,000 for
2 fiscal year 2001” after “1998 and 1999”.

3 (c) NATIONAL SCIENCE FOUNDATION.—Section
4 12(c) of the Earthquake Hazards Reduction Act of 1977
5 (42 U.S.C. 7706(c)) is amended—

6 (1) by striking “1998, and” and inserting
7 “1998,”; and

8 (2) by striking the period at the end and insert-
9 ing “, and (5) \$19,000,000 for engineering research
10 and \$10,900,000 for geosciences research for the fis-
11 cal year ending September 30, 2000. There are au-
12 thorized to be appropriated to the National Science
13 Foundation \$19,600,000 for engineering research
14 and \$11,200,000 for geosciences research for fiscal
15 year 2001.”.

16 (d) NATIONAL INSTITUTE OF STANDARDS AND
17 TECHNOLOGY.—Section 12(d) of the Earthquake Hazards
18 Reduction Act of 1977 (42 U.S.C. 7706(d)) is amended—

19 (1) by striking “1998, and”; and inserting
20 “1998,”; and

21 (2) by inserting “, \$2,200,000 for fiscal year
22 2000, and \$2,265,000 for fiscal year 2001” after
23 “September 30, 1999”.

1 **SEC. 3. REPEALS.**

2 Section 10 and subsections (e) and (f) of section 12
3 of the Earthquake Hazards Reduction Act of 1977 (42
4 U.S.C. 7705d and 7706 (e) and (f)) are repealed.

5 **SEC. 4. ADVANCED NATIONAL SEISMIC RESEARCH AND**
6 **MONITORING SYSTEM.**

7 The Earthquake Hazards Reduction Act of 1977 (42
8 U.S.C. 7701 et seq.) is amended by adding at the end
9 the following new section:

10 **“SEC. 13. ADVANCED NATIONAL SEISMIC RESEARCH AND**
11 **MONITORING SYSTEM.**

12 “(a) ESTABLISHMENT.—The Director of the United
13 States Geological Survey shall establish and operate an
14 Advanced National Seismic Research and Monitoring Sys-
15 tem. The purpose of such system shall be to organize,
16 modernize, standardize, and stabilize the national, re-
17 gional, and urban seismic monitoring systems in the
18 United States, including sensors, recorders, and data anal-
19 ysis centers, into a coordinated system that will measure
20 and record the full range of frequencies and amplitudes
21 exhibited by seismic waves, in order to enhance earthquake
22 research and warning capabilities.

23 “(b) MANAGEMENT PLAN.—Not later than 120 days
24 after the date of the enactment of the Earthquake Haz-
25 ards Reduction Authorization Act of 1999, the Director
26 of the United States Geological Survey shall transmit to

1 the Congress a 5-year management plan for establishing
2 and operating the Advanced National Seismic Research
3 and Monitoring System. The plan shall include annual
4 cost estimates for both modernization and operation, mile-
5 stones, standards, and performance goals, as well as plans
6 for securing the participation of all existing networks in
7 the Advanced National Seismic Research and Monitoring
8 System and for establishing new, or enhancing existing,
9 partnerships to leverage resources.

10 “(c) AUTHORIZATION OF APPROPRIATIONS.—

11 “(1) EXPANSION AND MODERNIZATION.—In ad-
12 dition to amounts appropriated under section 12(b),
13 there are authorized to be appropriated to the Sec-
14 retary of the Interior, to be used by the Director of
15 the United States Geological Survey to establish the
16 Advanced National Seismic Research and Moni-
17 toring System—

18 “(A) \$33,500,000 for fiscal year 2000;

19 “(B) \$33,700,000 for fiscal year 2001;

20 “(C) \$35,100,000 for fiscal year 2002;

21 “(D) \$35,000,000 for fiscal year 2003;

22 and

23 “(E) \$33,500,000 for fiscal year 2004.

24 “(2) OPERATION.—In addition to amounts ap-
25 propriated under section 12(b), there are authorized

1 to be appropriated to the Secretary of the Interior,
 2 to be used by the Director of the United States Geo-
 3 logical Survey to operate the Advanced National
 4 Seismic Research and Monitoring System—

5 “(A) \$4,500,000 for fiscal year 2000; and

6 “(B) \$10,300,000 for fiscal year 2001.”.

7 **SEC. 5. NETWORK FOR EARTHQUAKE ENGINEERING SIM-**
 8 **ULATION.**

9 The Earthquake Hazards Reduction Act of 1977 (42
 10 U.S.C. 7701 et seq.) is amended by adding at the end
 11 the following new section:

12 **“SEC. 14. NETWORK FOR EARTHQUAKE ENGINEERING SIM-**
 13 **ULATION.**

14 “(a) ESTABLISHMENT.—The Director of the Na-
 15 tional Science Foundation shall establish a Network for
 16 Earthquake Engineering Simulation that will upgrade,
 17 link, and integrate a system of geographically distributed
 18 experimental facilities for earthquake engineering testing
 19 of full-sized structures and their components and partial-
 20 scale physical models. The system shall be integrated
 21 through networking software so that integrated models
 22 and databases can be used to create model-based simula-
 23 tion, and the components of the system shall be inter-
 24 connected with a computer network and allow for remote
 25 access, information sharing, and collaborative research.

1 “(b) AUTHORIZATION OF APPROPRIATIONS.—In ad-
 2 dition to amounts appropriated under section 12(c), there
 3 are authorized to be appropriated, out of funds otherwise
 4 authorized to be appropriated to the National Science
 5 Foundation, \$7,700,000 for fiscal year 2000 for the Net-
 6 work for Earthquake Engineering Simulation. In addition
 7 to amounts appropriated under section 12(c), there are
 8 authorized to be appropriated to the National Science
 9 Foundation for the Network for Earthquake Engineering
 10 Simulation—

11 “(1) \$28,200,000 for fiscal year 2001;

12 “(2) \$24,400,000 for fiscal year 2002;

13 “(3) \$4,500,000 for fiscal year 2003; and

14 “(4) \$17,000,000 for fiscal year 2004.”.

15 **SEC. 6. SCIENTIFIC EARTHQUAKE STUDIES ADVISORY COM-**
 16 **MITTEE.**

17 (a) ESTABLISHMENT.—The Director of the United
 18 States Geological Survey shall establish a Scientific Earth-
 19 quake Studies Advisory Committee.

20 (b) ORGANIZATION.—The Director shall establish
 21 procedures for selection of individuals not employed by the
 22 Federal Government who are qualified in the seismic
 23 sciences and other appropriate fields and may, pursuant
 24 to such procedures, select up to ten individuals, one of
 25 whom shall be designated Chairman, to serve on the Advi-

1 sory Committee. Selection of individuals for the Advisory
2 Committee shall be based solely on established records of
3 distinguished service, and the Director shall ensure that
4 a reasonable cross-section of views and expertise is rep-
5 resented. In selecting individuals to serve on the Advisory
6 Committee, the Director shall seek and give due consider-
7 ation to recommendations from the National Academy of
8 Sciences, professional societies, and other appropriate or-
9 ganizations.

10 (c) MEETINGS.—The Advisory Committee shall meet
11 at such times and places as may be designated by the
12 Chairman in consultation with the Director.

13 (d) DUTIES.—The Advisory Committee shall advise
14 the Director on matters relating to the United States Geo-
15 logical Survey's participation in the National Earthquake
16 Hazards Reduction Program, including the United States
17 Geological Survey's roles, goals, and objectives within that
18 Program, its capabilities and research needs, guidance on
19 achieving major objectives, and establishing and meas-
20 uring performance goals. The Advisory Committee shall
21 issue an annual report to the Director for submission to
22 Congress on or before September 30 of each year. The
23 report shall describe the Advisory Committee's activities
24 and address policy issues or matters that affect the United

1 States Geological Survey’s participation in the National
2 Earthquake Hazards Reduction Program.

3 **SEC. 7. BUDGET COORDINATION.**

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

6 (1) in subsection (b)(1)—

7 (A) by striking subparagraph (A) and re-
8 designating subparagraphs (B) through (F) as
9 subparagraphs (A) through (E), respectively;
10 and

11 (B) by moving subparagraph (E), as so re-
12 designated by subparagraph (A) of this para-
13 graph, so as to appear immediately after sub-
14 paragraph (D), as so redesignated; and

15 (2) by adding at the end the following new sub-
16 section:

17 “(c) BUDGET COORDINATION.—

18 “(1) GUIDANCE.—The Agency shall each year
19 provide guidance to the other Program agencies con-
20 cerning the preparation of requests for appropria-
21 tions for activities related to the Program, and shall
22 prepare, in conjunction with the other Program
23 agencies, an annual Program budget to be submitted
24 to the Office of Management and Budget.

1 “(2) REPORTS.—Each Program agency shall
2 include with its annual request for appropriations
3 submitted to the Office of Management and Budget
4 a report that—

5 “(A) identifies each element of the pro-
6 posed Program activities of the agency;

7 “(B) specifies how each of these activities
8 contributes to the Program; and

9 “(C) states the portion of its request for
10 appropriations allocated to each element of the
11 Program.”.

12 **SEC. 8. REPORT ON AT-RISK POPULATIONS.**

13 Not later than one year after the date of the enact-
14 ment of this Act, and after a period for public comment,
15 the Director of the Federal Emergency Management
16 Agency shall transmit to the Congress a report describing
17 the elements of the Program that specifically address the
18 needs of at-risk populations, including the elderly, persons
19 with disabilities, non-English-speaking families, single-
20 parent households, and the poor. Such report shall also
21 identify additional actions that could be taken to address
22 those needs, and make recommendations for any addi-
23 tional legislative authority required to take such actions.

1 **SEC. 9. PUBLIC ACCESS TO EARTHQUAKE INFORMATION.**

2 Section 5(b)(2)(A)(ii) of the Earthquake Hazards
3 Reduction Act of 1977 (42 U.S.C. 7704(b)(2)(A)(ii)) is
4 amended by inserting “, and development of means of in-
5 creasing public access to available locality-specific infor-
6 mation that may assist the public in preparing for or re-
7 sponding to earthquakes” after “and the general public”.

8 **SEC. 10. LIFELINES.**

9 Section 4(6) of the Earthquake Hazards Reduction
10 Act of 1977 (42 U.S.C. 7703(6)) is amended by inserting
11 “and infrastructure” after “communication facilities”.

12 **SEC. 11. COMPLIANCE WITH BUY AMERICAN ACT.**

13 No funds authorized pursuant to this Act may be ex-
14 pended by an entity unless the entity agrees that in ex-
15 pending the assistance the entity will comply with sections
16 2 through 4 of the Act of March 3, 1933 (41 U.S.C. 10a–
17 10c, popularly known as the “Buy American Act”).

18 **SEC. 12. SENSE OF THE CONGRESS; REQUIREMENT RE-**
19 **GARDING NOTICE.**

20 (a) PURCHASE OF AMERICAN-MADE EQUIPMENT
21 AND PRODUCTS.—In the case of any equipment or prod-
22 ucts that may be authorized to be purchased with financial
23 assistance provided under this Act, it is the sense of the
24 Congress that entities receiving such assistance should, in
25 expending the assistance, purchase only American-made
26 equipment and products.

1 (b) NOTICE TO RECIPIENTS OF ASSISTANCE.—In
2 providing financial assistance under this Act, the Sec-
3 retary of Transportation shall provide to each recipient of
4 the assistance a notice describing the statement made in
5 subsection (a) by the Congress.

6 **SEC. 13. PROHIBITION OF CONTRACTS.**

7 If it has been finally determined by a court or Federal
8 agency that any person intentionally affixed a label bear-
9 ing a “Made in America” inscription, or any inscription
10 with the same meaning, to any product sold in or shipped
11 to the United States that is not made in the United
12 States, such person shall be ineligible to receive any con-
13 tract or subcontract made with funds provided pursuant
14 to this Act, pursuant to the debarment, suspension, and
15 ineligibility procedures described in section 9.400 through
16 9.409 of title 48, Code of Federal Regulations.

Passed the House of Representatives April 21, 1999.

Attest: JEFF TRANDAHL,
Clerk.