

106TH CONGRESS
1ST SESSION

S. 1639

To authorize appropriations for carrying out the Earthquake Hazards Reduction Act of 1977, for the National Weather Service and Related Agencies, and for the United States Fire Administration for fiscal years 2000, 2001, and 2002.

IN THE SENATE OF THE UNITED STATES

SEPTEMBER 24, 1999

Mr. FRIST (for himself, Mr. BREAUX, Mr. MCCAIN, Mr. HOLLINGS, and Mr. ROCKEFELLER) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

A BILL

To authorize appropriations for carrying out the Earthquake Hazards Reduction Act of 1977, for the National Weather Service and Related Agencies, and for the United States Fire Administration for fiscal years 2000, 2001, and 2002.

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 “Earth, Wind, and Fire
5 Authorization Act of 1999”.

1 TITLE I—EARTHQUAKE HAZARDS REDUCTION
2 ACT

3 **SEC. 101. AUTHORIZATION OF APPROPRIATIONS.**

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

7 (1) by striking “and” after “1998”; and

8 (2) by striking “1999.” and inserting “1999;
9 \$19,800,000 for the fiscal year ending September
10 30, 2000, of which \$450,000 shall be used to sup-
11 port the National Earthquake Hazard Reduction
12 Program-eligible efforts of an established multi-state
13 consortium to reduce the unacceptable threat of
14 earthquake damages in the New Madrid seismic re-
15 gion through efforts to enhance preparedness, re-
16 sponse, recovery, and mitigation; \$20,890,000 for
17 the fiscal year ending September 30, 2001; and
18 \$22,040,000 for the fiscal year ending September
19 30, 2002.”.

20 (b) UNITED STATES GEOLOGICAL SURVEY.—

21 (1) Section 12(b) of the Earthquake Hazards
22 Reduction Act of 1977 (42 U.S.C. 7706(b)) is
23 amended—

24 (A) by inserting after “operated by the
25 Agency.” the following: “There are authorized

1 to be appropriated to the Secretary of the Inte-
2 rior for purposes of carrying out, through the
3 Director of the United States Geological Sur-
4 vey, the responsibilities that may be assigned to
5 the Director under this Act \$46,100,000 for fis-
6 cal year 2000, of which \$3,500,000 shall be
7 used for the Global Seismic Network;
8 \$48,635,000 for fiscal year 2001, of which
9 \$3,600,000 shall be used for the Global Seismic
10 Network; and \$51,310,000 for fiscal year
11 2002.”;

12 (B) by striking “and” at the end of para-
13 graph (1);

14 (C) by striking the comma at the end of
15 paragraph (2) and inserting a semicolon; and

16 (D) by inserting after paragraph (2) the
17 following new paragraphs:

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

20 “(4) \$9,250,000 of the amount authorized to be
21 appropriated for fiscal year 2001; and

22 “(5) \$9,500,000 of the amount authorized to be
23 appropriated for fiscal year 2002.”.

24 (2) Section 2(a)(7) of the Act entitled “An Act
25 to authorize appropriations for carrying out the

1 Earthquake Hazards Reduction Act of 1977 for fis-
2 cal years 1998 and 1999, and for other purposes”
3 is amended by striking “1998 and 1999.” and in-
4 sserting “1998 and 1999, \$1,600,000 for fiscal year
5 2000, \$1,690,000 for fiscal year 2001, and
6 \$1,783,000 for fiscal year 2002.”.

7 (c) NATIONAL SCIENCE FOUNDATION.—Section
8 12(c) of the Earthquake Hazards Reduction Act of 1977
9 (42 U.S.C. 7706(c)) is amended—

10 (1) by striking “1998, and” and inserting
11 “1998,”; and

12 (2) by striking “1999.” and inserting “1999,
13 and (5) \$19,000,000 for engineering research and
14 \$10,900,000 for geosciences research for the fiscal
15 year ending September 30, 2000. There are author-
16 ized to be appropriated to the National Science
17 Foundation \$20,045,000 for engineering research
18 and \$11,500,000 for geosciences research for fiscal
19 year 2001 and \$21,147,000 for engineering research
20 and \$12,133,000 for geosciences research for fiscal
21 year 2002.”.

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

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

3 (2) by striking “1999.” and inserting “1999,
4 \$2,200,000 for fiscal year 2000, \$2,231,000 for fis-
5 cal year 2001, and \$2,354,000 for fiscal year
6 2002.”.

7 **SEC. 102. REPEALS.**

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

11 **SEC. 103. ADVANCED NATIONAL SEISMIC RESEARCH AND**
12 **MONITORING SYSTEM.**

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

16 **“SEC. 13. ADVANCED NATIONAL SEISMIC RESEARCH AND**
17 **MONITORING SYSTEM.**

18 “(a) ESTABLISHMENT.—The Director of the United
19 States Geological Survey shall establish and operate an
20 Advanced National Seismic Research and Monitoring Sys-
21 tem. The purpose of such system shall be to organize,
22 modernize, standardize, and stabilize the national, re-
23 gional, and urban seismic monitoring systems in the
24 United States, including sensors, recorders, and data anal-
25 ysis centers, into a coordinated system that will measure

1 and record the full range of frequencies and amplitudes
2 exhibited by seismic waves, in order to enhance earthquake
3 research and warning capabilities.

4 “(b) MANAGEMENT PLAN.—Not later than 90 days
5 after the date of the enactment of the Earthquake Haz-
6 ards Reduction Authorization Act of 1999, the Director
7 of the United States Geological Survey shall transmit to
8 the Congress a 5-year management plan for establishing
9 and operating the Advanced National Seismic Research
10 and Monitoring System. The plan shall include annual
11 cost estimates for both modernization and operation, mile-
12 stones, standards, and performance goals, as well as plans
13 for securing the participation of all existing networks in
14 the Advanced National Seismic Research and Monitoring
15 System and for establishing new, or enhancing existing,
16 partnerships to leverage resources.

17 “(c) AUTHORIZATION OF APPROPRIATIONS.—

18 “(1) EXPANSION AND MODERNIZATION.—In ad-
19 dition to amounts appropriated under section 12(b),
20 there are authorized to be appropriated to the Sec-
21 retary of the Interior, to be used by the Director of
22 the United States Geological Survey to establish the
23 Advanced National Seismic Research and Moni-
24 toring System—

25 “(A) \$33,500,000 for fiscal year 2001;

1 “(B) \$33,700,000 for fiscal year 2002;

2 “(C) \$35,100,000 for fiscal year 2003;

3 “(D) \$35,000,000 for fiscal year 2004;

4 and

5 “(E) \$33,500,000 for fiscal year 2005.

6 “(2) OPERATION.—In addition to amounts ap-
 7 propriated under section 12(b), there are authorized
 8 to be appropriated to the Secretary of the Interior,
 9 to be used by the Director of the United States Geo-
 10 logical Survey to operate the Advanced National
 11 Seismic Research and Monitoring System—

12 “(A) \$4,500,000 for fiscal year 2001; and

13 “(B) \$10,300,000 for fiscal year 2002.”.

14 **SEC. 104. NETWORK FOR EARTHQUAKE ENGINEERING SIM-**
 15 **ULATION.**

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

19 **“SEC. 14. NETWORK FOR EARTHQUAKE ENGINEERING SIM-**
 20 **ULATION.**

21 “(a) ESTABLISHMENT.—The Director of the Na-
 22 tional Science Foundation shall establish a Network for
 23 Earthquake Engineering Simulation that will upgrade,
 24 link, and integrate a system of geographically distributed
 25 experimental facilities for earthquake engineering testing

1 of full-sized structures and their components and partial-
 2 scale physical models. The system shall be integrated
 3 through networking software so that integrated models
 4 and databases can be used to create model-based simula-
 5 tion, and the components of the system shall be inter-
 6 connected with a computer network and allow for remote
 7 access, information sharing, and collaborative research.

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

18 “(1) \$28,200,000 for fiscal year 2001;

19 “(2) \$24,400,000 for fiscal year 2002;

20 “(3) \$4,500,000 for fiscal year 2003; and

21 “(4) \$17,000,000 for fiscal year 2004.”.

22 **SEC. 105. BUDGET COORDINATION.**

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

25 (1) in subsection (b)(1)—

1 (A) by striking subparagraph (A) and re-
2 designating subparagraphs (B) through (F) as
3 subparagraphs (A) through (E), respectively;
4 and

5 (B) by moving subparagraph (E), as so re-
6 designated by subparagraph (A) of this para-
7 graph, so as to appear immediately after sub-
8 paragraph (D), as so redesignated; and

9 (2) by adding at the end the following new sub-
10 section:

11 “(c) BUDGET COORDINATION.—

12 “(1) GUIDANCE.—The Agency shall each year
13 provide guidance to the other Program agencies con-
14 cerning the preparation of requests for appropria-
15 tions for activities related to the Program, and shall
16 prepare, in conjunction with the other Program
17 agencies, an annual Program budget to be submitted
18 to the Office of Management and Budget.

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

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

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

3 “(C) states the portion of its request for
4 appropriations allocated to each element of the
5 Program.”.

6 **SEC. 106. REPORT ON AT-RISK POPULATIONS.**

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

18 **SEC. 107. PUBLIC ACCESS TO EARTHQUAKE INFORMATION.**

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

1 **SEC. 108. LIFELINES.**

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

5 **TITLE II—NATIONAL WEATHER SERVICE AND**
6 **RELATED AGENCIES AUTHORIZATION ACT**

7 **SEC. 201. DEFINITIONS.**

8 For purposes of this title, the term—

9 (1) “Administrator” means the Administrator
10 of the National Oceanic and Atmospheric Adminis-
11 tration; and

12 (2) “Secretary” means the Secretary of Com-
13 merce.

14 **SEC. 202. NATIONAL WEATHER SERVICE.**

15 (a) **OPERATIONS, RESEARCH, AND FACILITIES.—**
16 There are authorized to be appropriated to the Secretary
17 to enable the National Oceanic and Atmospheric Adminis-
18 tration to carry out the Operations, Research, and Facili-
19 ties activities of the National Weather Service
20 \$617,897,000 for fiscal year 2000, \$651,881,000 for fis-
21 cal year 2001, and \$687,734,000 for fiscal year 2002, to
22 remain available until expended. Of such amounts—

23 (1) \$450,411,000 for fiscal year 2000,
24 \$475,184,000 for fiscal year 2001, and
25 \$501,320,000 for fiscal year 2002 shall be for Local
26 Warnings and Forecasts;

1 (2) \$2,200,000 for fiscal year 2000, \$2,321,000
2 for fiscal year 2001, and \$2,449,000 for fiscal year
3 2002 shall be for Advanced Hydrological Prediction
4 System;

5 (3) \$619,000 for fiscal year 2000, \$653,000 for
6 fiscal year 2001, and \$689,000 for fiscal year 2002
7 shall be for Susquehanna River Basin Flood Sys-
8 tems;

9 (4) \$35,596,000 for fiscal year 2000,
10 \$37,554,000 for fiscal year 2001, and \$36,619,000
11 for fiscal year 2002 shall be for Aviation Forecasts;

12 (5) \$4,000,000 for fiscal year 2000, \$4,200,000
13 for fiscal year 2001, and \$4,452,000 for fiscal year
14 2002 shall be for Weather Forecast Offices (WFO)
15 Facilities Maintenance;

16 (6) \$37,081,000 for fiscal year 2000,
17 \$39,120,000 for fiscal year 2001, and \$41,272,000
18 for fiscal year 2002 shall be for Central Forecast
19 Guidance;

20 (7) \$3,090,000 for fiscal year 2000, \$3,260,000
21 for fiscal year 2001, and \$3,439,000 for fiscal year
22 2002 shall be for Atmospheric and Hydrological Re-
23 search;

24 (8) \$39,325,000 for fiscal year 2000,
25 \$41,488,000 for fiscal year 2001, and \$43,770,000

1 for fiscal year 2002 shall be for Next Generation
2 Weather Radar (NEXRAD);

3 (9) \$7,573,000 for fiscal year 2000, \$7,990,000
4 for fiscal year 2001, and \$8,429,000 for fiscal year
5 2002 shall be for Automated Surface Observing Sys-
6 tem (ASOS); and

7 (10) \$38,002,000 for fiscal year 2000,
8 \$40,092,000 for fiscal year 2001, and \$42,297,000
9 for fiscal year 2002 shall be for Advanced Weather
10 Interactive Processing System (AWIPS).

11 (b) PROCUREMENT, ACQUISITION, AND CONSTRU-
12 TION.—There are authorized to be appropriated to the
13 Secretary to enable the National Oceanic and Atmospheric
14 Administration to carry out the Procurement, Acquisition,
15 and Construction activities of the National Weather Serv-
16 ice \$69,632,000 for fiscal year 2000 and \$70,120,000 for
17 fiscal year 2001, to remain available until expended. Of
18 such amounts—

19 (1) \$9,560,000 for fiscal year 2000, \$9,060,000
20 for fiscal year 2001, and \$9,060,000 for fiscal year
21 2002 shall be for Next Generation Weather Radar
22 (NEXRAD);

23 (2) \$4,180,000 for fiscal year 2000, \$6,125,000
24 for fiscal year 2001, and \$7,565,000 for fiscal year

1 2002 shall be for Automated Surface Observing Sys-
2 tem (ASOS);

3 (3) \$22,575,000 for fiscal year 2000,
4 \$21,525,000 for fiscal year 2001, and \$7,900,000
5 for fiscal year 2002 shall be for Advanced Weather
6 Interactive Processing System (AWIPS);

7 (4) \$11,100,000 for fiscal year 2000,
8 \$12,835,000 for fiscal year 2001, and \$16,135,000
9 for fiscal year 2002 shall be for Computer Facilities
10 Upgrades;

11 (5) \$8,350,000 for fiscal year 2000, \$8,350,000
12 for fiscal year 2001, and \$8,350,000 for fiscal year
13 2002 shall be for Radiosonde Replacement;

14 (6) \$500,000 for fiscal year 2000 shall be for
15 National Oceanic and Atmospheric Administration
16 Operations Center Rehabilitation; and

17 (7) \$13,367,000 for fiscal year 2000,
18 \$12,225,000 for fiscal year 2001, and \$12,725,000
19 for fiscal year 2002 shall be for Weather Forecast
20 Office (WFO) Construction.

21 **SEC. 203. ATMOSPHERIC RESEARCH.**

22 (a) OPERATIONS, RESEARCH, AND FACILITIES.—

23 (1) IN GENERAL.—There are authorized to be
24 appropriated to the Secretary to enable the National
25 Oceanic and Atmospheric Administration to carry

1 out the Atmospheric Research Operations, Research,
2 and Facilities environmental research and develop-
3 ment activities of the Office of Oceanic and Atmos-
4 pheric Research \$173,250,000 for fiscal year 2000,
5 \$182,779,000 for fiscal year 2001, and
6 \$192,832,000 for fiscal year 2002, to remain avail-
7 able until expended.

8 (2) CLIMATE AND AIR QUALITY RESEARCH.—Of
9 the amounts authorized under paragraph (1),
10 \$126,200,000 for fiscal year 2000, \$133,141,000 for
11 fiscal year 2001, and \$140,464,000 for fiscal year
12 2002 shall be for Climate and Air Quality Research,
13 of which—

14 (A) \$16,900,000 for fiscal year 2000,
15 \$17,830,000 for fiscal year 2001, and
16 \$18,810,000 for fiscal year 2002 shall be for
17 Interannual and Seasonal Climate Research;

18 (B) \$34,600,000 for fiscal year 2000,
19 \$36,503,000 for fiscal year 2001, and
20 \$38,511,000 for fiscal year 2002 shall be for
21 Long-Term Climate and Air Quality Research;

22 (C) \$74,600,000 for fiscal year 2000,
23 \$78,703,000 for fiscal year 2001, and
24 \$83,032,000 for fiscal year 2002 shall be for
25 Climate and Global Change;

1 (D) \$5,000,000 for fiscal year 2000,
2 \$5,275,000 for fiscal year 2001, and
3 \$5,565,000 for fiscal year 2002 shall be for
4 Global Learning and Observations to Benefit
5 the Environment (GLOBE); and

6 (E) \$13,500,000 for fiscal year 2000 for
7 High Performance Computing and Communica-
8 tions.

9 (3) ATMOSPHERIC PROGRAMS.—Of the amounts
10 authorized under paragraph (1), \$47,050,000 for
11 fiscal year 2000, \$49,638,000 for fiscal year 2001,
12 and \$52,368,000 for fiscal year 2002 shall be for
13 Atmospheric Programs, of which—

14 (A) \$36,600,000 for fiscal year 2000,
15 \$38,613,000 for fiscal year 2001, and
16 \$40,737,000 for fiscal year 2002 shall be for
17 Weather Research;

18 (B) \$4,350,000 for fiscal year 2000,
19 \$4,589,000 for fiscal year 2001, and
20 \$4,842,000 for fiscal year 2002 shall be for
21 Wind Profiler; and

22 (C) \$6,100,000 for fiscal year 2000,
23 \$6,436,000 for fiscal year 2001, and
24 \$6,789,000 for fiscal year 2002 shall be for
25 Solar-Terrestrial Services and Research.

1 (b) PROCUREMENT, ACQUISITION, AND CONSTRUCTION.—There are authorized to be appropriated to the
 2 TION.—There are authorized to be appropriated to the
 3 Secretary to enable the National Oceanic and Atmospheric
 4 Administration to carry out the Atmospheric Research
 5 Procurement, Acquisition, and Construction environ-
 6 mental research and development activities of the Office
 7 of Oceanic and Atmospheric Research \$10,040,000 for fis-
 8 cal year 2000, \$14,160,000 for fiscal year 2001, and
 9 \$14,580,000 for fiscal year 2002, to remain available until
 10 expended. Of such amounts—

11 (1) \$5,700,000 for fiscal year 2000, \$8,000,000
 12 for fiscal year 2001, and \$8,000,000 for fiscal year
 13 2002 shall be for the Geophysical Fluid Dynamics
 14 Laboratory Supercomputer; and

15 (2) \$4,340,000 for fiscal year 2000, \$6,160,000
 16 for fiscal year 2001, and \$6,580,000 for fiscal year
 17 2002 shall be for the Advanced Composition Ex-
 18 plorer (ACE) Follow-On Satellite/GEOSTORM.

19 **SEC. 204. NATIONAL ENVIRONMENTAL SATELLITE, DATA**
 20 **AND INFORMATION SERVICE.**

21 (a) OPERATIONS, RESEARCH, AND FACILITIES.—

22 (1) IN GENERAL.—There are authorized to be
 23 appropriated to the Secretary to enable the National
 24 Oceanic and Atmospheric Administration to carry
 25 out the Operations, Research, and Facilities environ-

1 mental research and development and related activi-
2 ties of the National Environmental Satellite, Data
3 and Information Service \$103,092,000 for fiscal
4 year 2000, \$108,762,000 for fiscal year 2001, and
5 \$114,744,000 for fiscal year 2002 to remain avail-
6 able until expended.

7 (2) SATELLITE OBSERVING SYSTEMS.—Of the
8 amounts authorized under paragraph (1),
9 \$59,236,000 for fiscal year 2000, \$62,494,000 for
10 fiscal year 2001, and \$65,931,000 for fiscal year
11 2002 shall be for Satellite Observing Systems, of
12 which—

13 (A) \$2,000,000 for fiscal year 2000,
14 \$2,110,000 for fiscal year 2001, and
15 \$2,156,000 for fiscal year 2002 shall be for
16 Global Disaster Information Network (GDIN);

17 (B) \$4,000,000 for fiscal year 2000,
18 \$4,220,000 for fiscal year 2001, and
19 \$4,313,000 for fiscal year 2002 shall be for
20 Ocean Remote Sensing; and

21 (C) \$53,236,000 for fiscal year 2000,
22 \$56,164,000 for fiscal year 2001, and
23 \$59,253,000 for fiscal year 2002 shall be for
24 Environmental Observing Services.

1 (3) ENVIRONMENTAL DATA MANAGEMENT SYS-
2 TEMS.—Of the amounts authorized under paragraph
3 (1), \$43,856,000 for fiscal year 2000, \$46,268,000
4 for fiscal year 2001, and \$48,813,000 for fiscal year
5 2002 shall be for Environmental Data Management
6 Systems.

7 (b) PROCUREMENT, ACQUISITION, AND CONSTRUC-
8 TION.—

9 (1) IN GENERAL.—There are authorized to be
10 appropriated to the Secretary to enable the National
11 Oceanic and Atmospheric Administration to carry
12 out the Procurement, Acquisition, and Construction
13 environmental research and development and related
14 activities of the National Environmental Satellite,
15 Data and Information Service \$414,157,000 for fis-
16 cal year 2000, \$476,183,000 for fiscal year 2001,
17 and \$505,094,000 for fiscal year 2002, to remain
18 available until expended.

19 (2) SYSTEMS ACQUISITION.—Of the amounts
20 authorized under paragraph (1), \$410,612,000 for
21 fiscal year 2000, \$473,803,000 for fiscal year 2001,
22 and \$505,094,000 shall be for Systems Acquisition,
23 of which—

24 (A) \$140,979,000 for fiscal year 2000,
25 \$114,594,000 for fiscal year 2001, and

1 \$98,253,000 for fiscal year 2002 shall be for
2 the procurement and launch of, and supporting
3 ground systems for, Polar Orbiting Environ-
4 mental Satellites (POES), K, L, M, N, and N’;

5 (B) \$80,100,000 for fiscal year 2000,
6 \$113,600,000 for fiscal year 2001, and
7 \$180,000,000 for fiscal year 2002 shall be for
8 the procurement and launch of, and supporting
9 ground systems for, the National Polar-Orbiting
10 Operational Environmental Satellite System
11 (NPOESS); and

12 (C) \$189,533,000 for fiscal year 2000,
13 \$245,609,000 for fiscal year 2001, and
14 \$226,841,000 for fiscal year 2002 shall be for
15 the procurement and launch of, and supporting
16 ground systems for, Geostationary Operational
17 Environmental NEXT follow-on Satellites
18 (GOES N–Q).

19 (3) CONSTRUCTION.—Of the amounts author-
20 ized under paragraph (1), \$3,545,000 for fiscal year
21 2000 and \$2,380,000 for fiscal year 2001 shall be
22 for National Oceanic and Atmospheric Administra-
23 tion Operations Center Rehabilitation Construction.

1 **SEC. 205. INTERNET AVAILABILITY OF INFORMATION.**

2 The Administrator shall make available through the
3 Internet home page of the National Oceanic and Atmos-
4 pheric Administration the abstracts relating to all research
5 grants and awards made with funds authorized by this
6 Act. Nothing in this section shall be construed to require
7 or permit the release of any information prohibited by law
8 or regulation from being released to the public.

9 TITLE III—FIRE ADMINISTRATION

10 AUTHORIZATION ACT

11 **SEC. 301. AUTHORIZATION OF APPROPRIATIONS.**

12 Section 17(g)(1) of the Federal Fire Prevention and
13 Control Act of 1974 (15 U.S.C. 2216(g)(1)) is amended—

14 (1) by striking “and” at the end of subpara-
15 graph (G);

16 (2) by striking the period at the end of sub-
17 paragraph (H) and inserting a semicolon; and

18 (3) by adding at the end the following:

19 “(I) \$46,130,000 for fiscal year 2000;

20 “(J) \$47,570,000 for fiscal year 2001; and

21 “(K) \$49,054,000, for fiscal year 2002.”.

22 None of the funds authorized for fiscal years 2001 and
23 2002 may be obligated unless the Administrator has
24 verified to the Committee on Science of the House of Rep-
25 resentatives and the Committee on Commerce, Science,
26 and Transportation of the Senate that the obligation of

1 funds is consistent with the strategic plan transmitted
2 under section 302 of this Act.

3 **SEC. 302. STRATEGIC PLAN.**

4 (a) REQUIREMENT.—Not later than April 30, 2000,
5 the Administrator of the United States Fire Administra-
6 tion shall prepare and transmit to the Committee on
7 Science of the House of Representatives and the Com-
8 mittee on Commerce, Science, and Transportation of the
9 Senate a 5-year strategic plan of program activities for
10 the United States Fire Administration.

11 (b) CONTENTS OF PLAN.—The plan required by sub-
12 section (a) shall include—

13 (1) a comprehensive mission statement covering
14 the major functions and operations of the United
15 States Fire Administration in the areas of training;
16 research, development, test and evaluation; new
17 technology and non-developmental item implementa-
18 tion; safety; counterterrorism; data collection and
19 analysis; and public education;

20 (2) general goals and objectives, including those
21 related to outcomes, for the major functions and op-
22 erations of the United States Fire Administration;

23 (3) a description of how the goals and objec-
24 tives identified under paragraph (2) are to be
25 achieved, including operational processes, skills and

1 technology, and the human, capital, information, and
2 other resources required to meet those goals and ob-
3 jectives;

4 (4) an analysis of the strengths and weaknesses
5 of, opportunities for, and threats to the United
6 States Fire Administration;

7 (5) an identification of the fire-related activities
8 of the National Institute of Standards and Tech-
9 nology, the Department of Defense, and other Fed-
10 eral agencies, and a discussion of how those activi-
11 ties can be coordinated with and contribute to the
12 achievement of the goals and objectives identified
13 under paragraph (2);

14 (6) a description of objective, quantifiable per-
15 formance goals needed to define the level of perform-
16 ance achieved by program activities in training, re-
17 search, data collection and analysis, and public edu-
18 cation, and how these performance goals relate to
19 the general goals and objectives in the strategic
20 plan;

21 (7) an identification of key factors external to
22 the United States Fire Administration and beyond
23 its control that could affect significantly the achieve-
24 ment of the general goals and objectives;

1 (8) a description of program evaluations used in
2 establishing or revising general goals and objectives,
3 with a schedule for future program evaluations;

4 (9) a plan for the timely distribution of infor-
5 mation and educational materials to State and local
6 firefighting services, including volunteer, career, and
7 combination services throughout the United States;

8 (10) a description of how the strategic plan pre-
9 pared under this section will be incorporated into the
10 strategic plan and the performance plans and re-
11 ports of the Federal Emergency Management Agen-
12 cy;

13 (11)(A) a description of the current and
14 planned use of the Internet for the delivery of train-
15 ing courses by the National Fire Academy, including
16 a listing of the types of courses and a description of
17 each course's provisions for real time interaction be-
18 tween instructor and students, the number of stu-
19 dents enrolled, and the geographic distribution of
20 students, for the most recent fiscal year;

21 (B) an assessment of the availability and actual
22 use by the National Fire Academy of Federal facili-
23 ties suitable for distance education applications, in-
24 cluding facilities with teleconferencing capabilities;
25 and

1 (C) an assessment of the benefits and problems
2 associated with delivery of instructional courses
3 using the Internet, including limitations due to net-
4 work bandwidth at training sites, the availability of
5 suitable course materials, and the effectiveness of
6 such courses in terms of student performance;

7 (12) timeline for implementing the plan; and

8 (13) the expected costs for implementing the
9 plan.

10 **SEC. 303. RESEARCH AGENDA.**

11 (a) REQUIREMENT.—Not later than 120 days after
12 the date of the enactment of this Act, the Administrator
13 of the United States Fire Administration, in consultation
14 with the Director of the Federal Emergency Management
15 Agency, the Director of the National Institute of Stand-
16 ards and Technology, representatives of trade, profes-
17 sional, and non-profit associations, State and local fire-
18 fighting services, and other appropriate entities, shall pre-
19 pare and transmit to the Committee on Science of the
20 House of Representatives and the Committee on Com-
21 merce, Science, and Transportation of the Senate a report
22 describing the United States Fire Administration’s re-
23 search agenda and including a plan for implementing that
24 agenda.

1 (b) CONTENTS OF REPORT.—The report required by
2 subsection (a) shall—

3 (1) identify research priorities;

4 (2) describe how the proposed research agenda
5 will be coordinated and integrated with the programs
6 and capabilities of the National Institute of Stand-
7 ards and Technology, the Department of Defense,
8 and other Federal agencies;

9 (3) identify potential roles of academic, trade,
10 professional, and non-profit associations, and other
11 research institutions in achieving the research agen-
12 da;

13 (4) provide cost estimates, anticipated per-
14 sonnel needs, and a schedule for completing the var-
15 ious elements of the research agenda;

16 (5) describe ways to leverage resources through
17 partnerships, cooperative agreements, and other
18 means; and

19 (6) discuss how the proposed research agenda
20 will enhance training, improve State and local fire-
21 fighting services, impact standards and codes, in-
22 crease firefighter and public safety, and advance
23 firefighting techniques.

24 (c) USE IN PREPARING STRATEGIC PLAN.—The re-
25 search agenda prepared under this section shall be used

1 in the preparation of the strategic plan required by section
2 302.

3 **SEC. 304. SURPLUS AND EXCESS FEDERAL EQUIPMENT.**

4 The Federal Fire Prevention and Control Act of 1974
5 is amended by adding at the end the following new section:

6 **“SEC. 33. SURPLUS AND EXCESS FEDERAL EQUIPMENT.**

7 “The Administrator shall make publicly available, in-
8 cluding through the Internet, information on procedures
9 for acquiring surplus and excess equipment or property
10 that may be useful to State and local fire, emergency, and
11 hazardous material handling service providers.”.

12 **SEC. 305. COOPERATIVE AGREEMENTS WITH FEDERAL FA-**
13 **CILITIES.**

14 The Federal Fire Prevention and Control Act of
15 1974, as amended by section 304, is amended by adding
16 at the end the following new section:

17 **“SEC. 34. COOPERATIVE AGREEMENTS WITH FEDERAL FA-**
18 **CILITIES.**

19 “The Administrator shall make publicly available, in-
20 cluding through the Internet, information on procedures
21 for establishing cooperative agreements between State and
22 local fire and emergency services and Federal facilities in
23 their region relating to the provision of fire and emergency
24 services.”.

1 **SEC. 306. NEED FOR ADDITIONAL TRAINING IN**
2 **COUNTERTERRORISM.**

3 (a) IN GENERAL.—The Administrator of the United
4 States Fire Administration shall conduct an assessment
5 of the need for additional capabilities for Federal
6 counterterrorism training of emergency response per-
7 sonnel.

8 (b) CONTENTS OF ASSESSMENT.—The assessment
9 conducted under this section shall include—

10 (1) a review of the counterterrorism training
11 programs offered by the United States Fire Admin-
12 istration and other Federal agencies;

13 (2) an estimate of the number and types of
14 emergency response personnel that have, during the
15 period between January 1, 1994, and October 1,
16 1999, sought training described in paragraph (1),
17 but have been unable to receive that training as a
18 result of the oversubscription of the training capa-
19 bilities; and

20 (3) a recommendation on the need to provide
21 additional Federal counterterrorism training centers,
22 including—

23 (A) an analysis of existing Federal facili-
24 ties that could be used as counterterrorism
25 training facilities; and

1 (B) a cost-benefit analysis of the establish-
2 ment of such counterterrorism training facili-
3 ties.

4 (c) REPORT.—Not later than 180 days after the date
5 of the enactment of this Act, the Administrator shall pre-
6 pare and submit to the Congress a report on the results
7 of the assessment conducted under this section.

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