

§ 7705d. Repealed. Pub. L. 106-503, title II, § 203, Nov. 13, 2000, 114 Stat. 2305

Section, Pub. L. 95-124, § 10, as added Pub. L. 101-614, § 10, Nov. 16, 1990, 104 Stat. 3238, related to non-Federal cost sharing for supplemental funds.

§ 7705e. Post-earthquake investigations program

There is established within the United States Geological Survey a post-earthquake investigations program, the purpose of which is to investigate major earthquakes, so as to learn lessons which can be applied to reduce the loss of lives and property in future earthquakes. The United States Geological Survey, in consultation with each Program agency, shall organize investigations to study the implications of the earthquake in the areas of responsibility of each Program agency. The investigations shall begin as rapidly as possible and may be conducted by grantees and contractors. The Program agencies shall ensure that the results of investigations are disseminated widely. The Director of the Survey is authorized to utilize earthquake expertise from the Agency, the National Science Foundation, the National Institute of Standards and Technology, other Federal agencies, and private contractors, on a reimbursable basis, in the conduct of such earthquake investigations. At a minimum, investigations under this section shall include—

(1) analysis by the National Science Foundation and the United States Geological Survey of the causes of the earthquake and the nature of the resulting ground motion;

(2) analysis by the National Science Foundation and the National Institute of Standards and Technology of the behavior of structures and lifeline infrastructure, both those that were damaged and those that were undamaged; and

(3) analysis by each of the Program agencies of the effectiveness of the earthquake hazards mitigation programs and actions relating to its area of responsibility under the Program, and how those programs and actions could be strengthened.

(Pub. L. 95-124, § 11, as added Pub. L. 101-614, § 11(a), Nov. 16, 1990, 104 Stat. 3239; amended Pub. L. 115-307, § 2(c)(1)(B), Dec. 11, 2018, 132 Stat. 4409.)

AMENDMENTS

2018—Par. (2). Pub. L. 115-307 substituted “lifeline infrastructure” for “lifelines”.

TRANSFER OF FUNCTIONS

For transfer of all functions, personnel, assets, components, authorities, grant programs, and liabilities of the Federal Emergency Management Agency, including the functions of the Under Secretary for Federal Emergency Management relating thereto, to the Federal Emergency Management Agency, see section 315(a)(1) of Title 6, Domestic Security.

For transfer of functions, personnel, assets, and liabilities of the Federal Emergency Management Agency, including the functions of the Director of the Federal Emergency Management Agency relating thereto, to the Secretary of Homeland Security, and for treatment of related references, see former section 313(1) and sections 551(d), 552(d), and 557 of Title 6, Domestic Security, and the Department of Homeland Security Reorganization Plan of November 25, 2002, as modified, set out as a note under section 542 of Title 6.

REPORT ON FUNDING OF PROGRAM

Pub. L. 101-614, § 11(b), Nov. 16, 1990, 104 Stat. 3239, directed Director of Federal Emergency Management Agency in consultation with other agencies of National Earthquake Hazards Reduction Program, not later than one year after Nov. 16, 1990, to report to Congress on possible options for funding a program for post-earthquake investigations, which would, at a minimum, consider funding such a program either by setting aside a percentage of disaster relief funds provided by Federal Emergency Management Agency after a major earthquake or by a revolving fund, and which would also include a recommendation on how the funding for such investigations would be allocated among the other Program agencies.

§ 7706. Authorization of appropriations

(a) General authorization for program

(1) There are authorized to be appropriated to the President to carry out the provisions of sections 7704 and 7705¹ of this title (in addition to any authorizations for similar purposes included in other Acts and the authorizations set forth in subsections (b) and (c) of this section), not to exceed \$1,000,000 for the fiscal year ending September 30, 1978, not to exceed \$2,000,000 for the fiscal year ending September 30, 1979, and not to exceed \$2,000,000 for the fiscal year ending September 30, 1980.

(2) There are authorized to be appropriated to the Director to carry out the provisions of sections 7704 and 7705¹ of this title for the fiscal year ending September 30, 1981—

(A) \$1,000,000 for continuation of the Interagency Committee on Seismic Safety in Construction and the Building Seismic Safety Council programs,

(B) \$1,500,000 for plans and preparedness for earthquake disasters,

(C) \$500,000 for prediction response planning,

(D) \$600,000 for architectural and engineering planning and practice programs,

(E) \$1,000,000 for development and application of a public education program,

(F) \$3,000,000 for use by the National Science Foundation in addition to the amount authorized to be appropriated under subsection (c), which amount includes \$2,400,000 for earthquake policy research and \$600,000 for the strong ground motion element of the siting program, and

(G) \$1,000,000 for use by the Center for Building Technology, National Institute of Standards and Technology in addition to the amount authorized to be appropriated under subsection (d) for earthquake activities in the Center.

(3) There are authorized to be appropriated to the Director for the fiscal year ending September 30, 1982, \$2,000,000 to carry out the provisions of sections 7704 and 7705¹ of this title.

(4) There are authorized to be appropriated to the Director, to carry out the provisions of sections 7704 and 7705¹ of this title, \$1,281,000 for the fiscal year ending September 30, 1983.

(5) There are authorized to be appropriated to the Director, to carry out the provisions of sections 7704 and 7705¹ of this title, for the fiscal year ending September 30, 1984, \$3,705,000, and

¹ See References in Text note below.

for the fiscal year ending September 30, 1985, \$6,096,000.

(6) There are authorized to be appropriated to the Director, to carry out the provisions of sections 7704 and 7705¹ of this title, for the fiscal year ending September 30, 1986, \$5,596,000, and for the fiscal year ending September 30, 1987, \$5,848,000.

(7) There are authorized to be appropriated to the Administrator of the Agency, to carry out this chapter, \$5,778,000 for the fiscal year ending September 30, 1988, \$5,788,000 for the fiscal year ending September 30, 1989, \$8,798,000 for the fiscal year ending September 30, 1990, \$14,750,000 for the fiscal year ending September 30, 1991, \$19,000,000 for the fiscal year ending September 30, 1992, \$22,000,000 for the fiscal year ending September 30, 1993, \$25,000,000 for the fiscal year ending September 30, 1995, \$25,750,000 for the fiscal year ending September 30, 1996, \$20,900,000 for the fiscal year ending September 30, 1998, \$21,500,000 for the fiscal year ending September 30, 1999; \$19,861,000 for the fiscal year ending September 30, 2001, of which \$450,000 is for National Earthquake Hazard Reduction Program-eligible efforts of an established multi-state consortium to reduce the unacceptable threat of earthquake damages in the New Madrid seismic region through efforts to enhance preparedness, response, recovery, and mitigation; \$20,705,000 for the fiscal year ending September 30, 2002; and \$21,585,000 for the fiscal year ending September 30, 2003.

(8) There are authorized to be appropriated to the Federal Emergency Management Agency for carrying out this chapter—

- (A) \$21,000,000 for fiscal year 2005,
- (B) \$21,630,000 for fiscal year 2006,
- (C) \$22,280,000 for fiscal year 2007,
- (D) \$22,950,000 for fiscal year 2008,
- (E) \$23,640,000 for fiscal year 2009,
- (F) \$8,758,000 for fiscal year 2019,
- (G) \$8,758,000 for fiscal year 2020,
- (H) \$8,758,000 for fiscal year 2021,
- (I) \$8,758,000 for fiscal year 2022, and
- (J) \$8,758,000 for fiscal year 2023,

of which not less than 10 percent of available program funds actually appropriated shall be made available each such fiscal year for supporting the development of performance-based, cost-effective, and affordable design guidelines and methodologies in codes for buildings, structures, and lifeline infrastructure.

(b) United States Geological Survey

(1) There are authorized to be appropriated to the Secretary of the Interior for purposes for carrying out, through the Director of the United States Geological Survey, the responsibilities that may be assigned to the Director under this chapter not to exceed \$27,500,000 for the fiscal year ending September 30, 1978; not to exceed \$35,000,000 for the fiscal year ending September 30, 1979; not to exceed \$40,000,000 for the fiscal year ending September 30, 1980; \$32,484,000 for the fiscal year ending September 30, 1981; \$34,425,000 for the fiscal year ending September 30, 1982; \$31,843,000 for the fiscal year ending September 30, 1983; \$35,524,000 for the fiscal year ending September 30, 1984; \$37,300,200 for the fiscal year ending September 30, 1985² \$35,578,000

for the fiscal year ending September 30, 1986; \$37,179,000 for the fiscal year ending September 30, 1987; \$38,540,000 for the fiscal year ending September 30, 1988; \$41,819,000 for the fiscal year ending September 30, 1989; \$55,283,000 for the fiscal year ending September 30, 1990, of which \$8,000,000 shall be for earthquake investigations under section 7705e of this title; \$50,000,000 for the fiscal year ending September 30, 1991; \$54,500,000 for the fiscal year ending September 30, 1992; \$62,500,000 for the fiscal year ending September 30, 1993; \$49,200,000 for the fiscal year ending September 30, 1995; \$50,676,000 for the fiscal year ending September 30, 1996; \$52,565,000 for the fiscal year ending September 30, 1998, of which \$3,800,000 shall be used for the Global Seismic Network operated by the Agency; and \$54,052,000 for the fiscal year ending September 30, 1999, of which \$3,800,000 shall be used for the Global Seismic Network operated by the Agency. There are authorized to be appropriated to the Secretary of the Interior for purposes of carrying out, through the Director of the United States Geological Survey, the responsibilities that may be assigned to the Director under this chapter \$48,360,000 for fiscal year 2001, of which \$3,500,000 is for the Global Seismic Network and \$100,000 is for the Scientific Earthquake Studies Advisory Committee established under section 7709 of this title; \$50,415,000 for fiscal year 2002, of which \$3,600,000 is for the Global Seismic Network and \$100,000 is for the Scientific Earthquake Studies Advisory Committee; and \$52,558,000 for fiscal year 2003, of which \$3,700,000 is for the Global Seismic Network and \$100,000 is for the Scientific Earthquake Studies Advisory Committee. Of the amounts authorized to be appropriated under this paragraph, at least—

- (A) \$8,000,000 of the amount authorized to be appropriated for the fiscal year ending September 30, 1998;
- (B) \$8,250,000 of the amount authorized for the fiscal year ending September 30, 1999;
- (C) \$9,000,000 of the amount authorized to be appropriated for fiscal year 2001;
- (D) \$9,250,000 of the amount authorized to be appropriated for fiscal year 2002; and
- (E) \$9,500,000 of the amount authorized to be appropriated for fiscal year 2003,

shall be used for carrying out a competitive, peer-reviewed program under which the Director, in close coordination with and as a complement to related activities of the United States Geological Survey, awards grants to, or enters into cooperative agreements with, State and local governments and persons or entities from the academic community and the private sector.

(2) There are authorized to be appropriated to the United States Geological Survey for carrying out this chapter—

- (A) \$77,000,000 for fiscal year 2005, of which not less than \$30,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;
- (B) \$84,410,000 for fiscal year 2006, of which not less than \$36,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;

² So in original. Probably should be followed by a semicolon.

(C) \$85,860,000 for fiscal year 2007, of which not less than \$36,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;

(D) \$87,360,000 for fiscal year 2008, of which not less than \$36,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;

(E) \$88,900,000 for fiscal year 2009, of which not less than \$36,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;

(F) \$83,403,000 for fiscal year 2019, of which not less than \$30,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;¹

(G) \$83,403,000 for fiscal year 2020, of which not less than \$30,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;¹

(H) \$83,403,000 for fiscal year 2021, of which not less than \$30,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;¹

(I) \$83,403,000 for fiscal year 2022, of which not less than \$30,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title;¹ and

(J) \$83,403,000 for fiscal year 2023, of which not less than \$30,000,000 shall be made available for completion of the Advanced National Seismic System established under section 7707 of this title.¹

(c) National Science Foundation

(1) To enable the Foundation to carry out responsibilities that may be assigned to it under this chapter, there are authorized to be appropriated to the Foundation not to exceed \$27,500,000 for the fiscal year ending September 30, 1978; not to exceed \$35,000,000 for the fiscal year ending September 30, 1979; not to exceed \$40,000,000 for the fiscal year ending September 30, 1980; \$26,600,000 for the fiscal year ending September 30, 1981; \$27,150,000 for the fiscal year ending September 30, 1982; \$25,000,000 for the fiscal year ending September 30, 1983; \$25,800,000 for the fiscal year ending September 30, 1984; \$28,665,000 for the fiscal year ending September 30, 1985² \$27,760,000 for the fiscal year ending September 30, 1986; \$29,009,000 for the fiscal year ending September 30, 1987; \$28,235,000 for the fiscal year ending September 30, 1988; \$31,634,000 for the fiscal year ending September 30, 1989; \$38,454,000 for the fiscal year ending September 30, 1990. Of the amounts authorized for Engineering under section 101(d)(1)(B) of the National Science Foundation Authorization Act of 1988, \$24,000,000 is authorized for carrying out this chapter for the fiscal year ending September 30, 1991, and of the amounts authorized for Geosciences³ under section 101(d)(1)(D) of the Na-

tional Science Foundation Authorization Act of 1988, \$13,000,000 is authorized for carrying out this chapter for the fiscal year ending September 30, 1991. Of the amounts authorized for Research and Related Activities under section 101(e)(1) of the National Science Foundation Authorization Act of 1988, \$29,000,000 is authorized for engineering research under this chapter, and \$14,750,000 is authorized for geosciences research under this chapter, for the fiscal year ending September 30, 1992. Of the amounts authorized for Research and Related Activities under section 101(f)(1) of the National Science Foundation Authorization Act of 1988, \$34,500,000 is authorized for engineering research under this chapter, and \$17,500,000 is authorized for geosciences research under this chapter, for the fiscal year ending September 30, 1993. There are authorized to be appropriated, out of funds otherwise authorized to be appropriated to the National Science Foundation: (1) \$16,200,000 for engineering research and \$10,900,000 for geosciences research for the fiscal year ending September 30, 1995, (2) \$16,686,000 for engineering research and \$11,227,000 for geosciences research for the fiscal year ending September 30, 1996, (3) \$18,450,000 for engineering research and \$11,920,000 for geosciences research for the fiscal year ending September 30, 1998, (4) \$19,000,000 for engineering research and \$12,280,000 for geosciences research for the fiscal year ending September 30, 1999. There are authorized to be appropriated to the National Science Foundation \$19,000,000 for engineering research and \$11,900,000 for geosciences research for fiscal year 2001; \$19,808,000 for engineering research and \$12,406,000 for geosciences research for fiscal year 2002; and \$20,650,000 for engineering research and \$12,933,000 for geosciences research for fiscal year 2003.

(2) There are authorized to be appropriated to the National Science Foundation for carrying out this chapter—

- (A) \$38,000,000 for fiscal year 2005;
- (B) \$39,140,000 for fiscal year 2006;
- (C) \$40,310,000 for fiscal year 2007;
- (D) \$41,520,000 for fiscal year 2008;
- (E) \$42,770,000 for fiscal year 2009;
- (F) \$54,000,000 for fiscal year 2019,
- (G) \$54,000,000 for fiscal year 2020,
- (H) \$54,000,000 for fiscal year 2021,
- (I) \$54,000,000 for fiscal year 2022, and
- (J) \$54,000,000 for fiscal year 2023.

(d) National Institute of Standards and Technology

(1) To enable the National Institute of Standards and Technology to carry out responsibilities that may be assigned to it under this chapter, there are authorized to be appropriated \$425,000 for the fiscal year ending September 30, 1981; \$425,000 for the fiscal year ending September 30, 1982; \$475,000 for the fiscal year ending September 30, 1983; \$475,000 for the fiscal year ending September 30, 1984; \$498,750 for the fiscal year ending September 30, 1985² \$499,000 for the fiscal year ending September 30, 1986; \$521,000 for the fiscal year ending September 30, 1987; \$525,000 for the fiscal year ending September 30, 1988; \$525,000 for the fiscal year ending September 30, 1989; \$2,525,000 for the fiscal year ending September 30, 1990; \$1,000,000 for the fiscal year

³ So in original. Probably should not be capitalized.

ending September 30, 1991; \$3,000,000 for the fiscal year ending September 30, 1992; and \$4,750,000 for the fiscal year ending September 30, 1993. There are authorized to be appropriated, out of funds otherwise authorized to be appropriated to the National Institute of Standards and Technology, \$1,900,000 for the fiscal year ending September 30, 1995, \$1,957,000 for the fiscal year ending September 30, 1996, \$2,000,000 for the fiscal year ending September 30, 1998, \$2,060,000 for the fiscal year ending September 30, 1999, \$2,332,000 for fiscal year 2001, \$2,431,000 for fiscal year 2002, and \$2,534,300 for fiscal year 2003.

(2) There are authorized to be appropriated to the National Institute of Standards and Technology for carrying out this chapter—

- (A) \$10,000,000 for fiscal year 2005,
- (B) \$11,000,000 for fiscal year 2006,
- (C) \$12,100,000 for fiscal year 2007,
- (D) \$13,310,000 for fiscal year 2008,
- (E) \$14,640,000 for fiscal year 2009,
- (F) \$5,900,000 for fiscal year 2019,
- (G) \$5,900,000 for fiscal year 2020,
- (H) \$5,900,000 for fiscal year 2021,
- (I) \$5,900,000 for fiscal year 2022, and
- (J) \$5,900,000 for fiscal year 2023.⁴

of which \$2,000,000 shall be made available each such fiscal year for supporting the development of performance-based, cost-effective, and affordable codes for buildings, structures, and lifeline infrastructure.

(Pub. L. 95-124, §12, formerly §7, Oct. 7, 1977, 91 Stat. 1102; Pub. L. 96-472, title I, §103, Oct. 19, 1980, 94 Stat. 2259; Pub. L. 97-80, title I, §101, Nov. 20, 1981, 95 Stat. 1081; Pub. L. 97-464, title I, §101, Jan. 12, 1983, 96 Stat. 2533; Pub. L. 98-241, title I, §101, Mar. 22, 1984, 98 Stat. 95; Pub. L. 99-105, §§1-4, Sept. 30, 1985, 99 Stat. 475; Pub. L. 100-252, §1, Feb. 29, 1988, 102 Stat. 18; Pub. L. 100-418, title V, §5115(c), Aug. 23, 1988, 102 Stat. 1433; renumbered §12 and amended Pub. L. 101-614, §§7(1), 12, Nov. 16, 1990, 104 Stat. 3236, 3240; Pub. L. 103-374, §1, Oct. 19, 1994, 108 Stat. 3492; Pub. L. 105-47, §1, Oct. 1, 1997, 111 Stat. 1159; Pub. L. 106-503, title II, §§202(a), (b), (d), (e), 203, Nov. 13, 2000, 114 Stat. 2304, 2305; Pub. L. 108-360, title I, §104(a), Oct. 25, 2004, 118 Stat. 1674; Pub. L. 109-295, title VI, §612(c), Oct. 4, 2006, 120 Stat. 1410; Pub. L. 115-307, §§2(c)(1)(B), 7, 8(b)(2), Dec. 11, 2018, 132 Stat. 4409, 4416, 4417.)

REFERENCES IN TEXT

Section 7705 of this title, referred to in subsec. (a)(1) to (6), was repealed by Pub. L. 105-47, §4, Oct. 1, 1997, 111 Stat. 1164.

This chapter, referred to in subsecs. (a)(8), (b)(2), (c)(2), and (d)(2), was in the original “this title”, and was translated as reading “this Act”, meaning Pub. L. 95-124, known as the Earthquake Hazards Reduction Act of 1977, to reflect the probable intent of Congress, because Pub. L. 95-124, which enacted this chapter, does not contain titles.

Section 7707 of this title, referred to in subsec. (b)(2)(F) to (J), was so in the original, but probably should have been a reference to section 13 of Pub. L. 95-124, which is classified to section 7707 of this title.

Section 101(d)(1)(B), (D), (e)(1), and (f)(1) of the National Science Foundation Authorization Act of 1988, referred to in subsec. (c)(1), is section 101(d)(1)(B), (D), (e)(1), and (f)(1) of Pub. L. 100-570, Oct. 31, 1988, 102 Stat. 2865, 2866, which is not classified to the Code.

AMENDMENTS

2018—Subsec. (a)(8). Pub. L. 115-307, §2(c)(1)(B), substituted “lifeline infrastructure” for “lifelines” in concluding provisions.

Subsec. (a)(8)(F) to (J). Pub. L. 115-307, §7(1), added subpars. (F) to (J).

Subsec. (b)(2). Pub. L. 115-307, §8(b)(2), substituted “Advanced National Seismic System” for “Advanced National Seismic Research and Monitoring System” in subpars. (A) to (E).

Subsec. (b)(2)(F) to (J). Pub. L. 115-307, §7(2), added subpars. (F) to (J).

Subsec. (c)(2)(F) to (J). Pub. L. 115-307, §7(3), added subpars. (F) to (J).

Subsec. (d)(2). Pub. L. 115-307, §2(c)(1)(B), substituted “lifeline infrastructure” for “lifelines” in concluding provisions.

Subsec. (d)(2)(F) to (J). Pub. L. 115-307, §7(4), added subpars. (F) to (J).

2004—Subsec. (a)(8). Pub. L. 108-360, §104(a)(1), added par. (8).

Subsec. (b). Pub. L. 108-360, §104(a)(2)-(5), designated existing provisions as par. (1) and substituted “paragraph” for “subsection” in last sentence, redesignated former pars. (1) to (5) as subpars. (A) to (E), respectively, and added par. (2).

Subsec. (c). Pub. L. 108-360, §104(a)(6), (7), designated existing provisions as par. (1) and added par. (2).

Subsec. (d). Pub. L. 108-360, §104(a)(8), (9), designated existing provisions as par. (1) and added par. (2).

2000—Subsec. (a)(7). Pub. L. 106-503, §202(a), struck out “and” after “1998,” and substituted “1999; \$19,861,000 for the fiscal year ending September 30, 2001, of which \$450,000 is for National Earthquake Hazard Reduction Program-eligible efforts of an established multi-state consortium to reduce the unacceptable threat of earthquake damages in the New Madrid seismic region through efforts to enhance preparedness, response, recovery, and mitigation; \$20,705,000 for the fiscal year ending September 30, 2002; and \$21,585,000 for the fiscal year ending September 30, 2003.” for “1999.”

Subsec. (b). Pub. L. 106-503, §202(b)(1), in introductory provisions, inserted after “operated by the Agency.” “There are authorized to be appropriated to the Secretary of the Interior for purposes of carrying out, through the Director of the United States Geological Survey, the responsibilities that may be assigned to the Director under this chapter \$48,360,000 for fiscal year 2001, of which \$3,500,000 is for the Global Seismic Network and \$100,000 is for the Scientific Earthquake Studies Advisory Committee established under section 7709 of this title; \$50,415,000 for fiscal year 2002, of which \$3,600,000 is for the Global Seismic Network and \$100,000 is for the Scientific Earthquake Studies Advisory Committee; and \$52,558,000 for fiscal year 2003, of which \$3,700,000 is for the Global Seismic Network and \$100,000 is for the Scientific Earthquake Studies Advisory Committee.”

Subsec. (b)(3) to (5). Pub. L. 106-503, §202(b)(2)-(4), added pars. (3) to (5).

Subsec. (c). Pub. L. 106-503, §202(d), struck out “and” after “1998,” and inserted at end “There are authorized to be appropriated to the National Science Foundation \$19,000,000 for engineering research and \$11,900,000 for geosciences research for fiscal year 2001; \$19,808,000 for engineering research and \$12,406,000 for geosciences research for fiscal year 2002; and \$20,650,000 for engineering research and \$12,933,000 for geosciences research for fiscal year 2003.”

Subsec. (d). Pub. L. 106-503, §202(e), struck out “and” after “1998,” and substituted “1999, \$2,332,000 for fiscal year 2001, \$2,431,000 for fiscal year 2002, and \$2,534,300 for fiscal year 2003.” for “1999.”

Subsecs. (e), (f). Pub. L. 106-503, §203, struck out subsecs. (e) and (f), which related, respectively, to funds for certain required adjustments and availability of funds.

1997—Subsec. (a)(7). Pub. L. 105-47, §1(1), struck out “and” after “1995,” and inserted before period at end

⁴ So in original. The period probably should be a comma.

“, \$20,900,000 for the fiscal year ending September 30, 1998, and \$21,500,000 for the fiscal year ending September 30, 1999”.

Subsec. (b). Pub. L. 105-47, §1(2), substituted “\$50,676,000 for the fiscal year ending September 30, 1996; \$52,565,000 for the fiscal year ending September 30, 1998, of which \$3,800,000 shall be used for the Global Seismic Network operated by the Agency; and \$54,052,000 for the fiscal year ending September 30, 1999, of which \$3,800,000 shall be used for the Global Seismic Network operated by the Agency. Of the amounts authorized to be appropriated under this subsection, at least—

“(1) \$8,000,000 of the amount authorized to be appropriated for the fiscal year ending September 30, 1998; and

“(2) \$8,250,000 of the amount authorized for the fiscal year ending September 30, 1999, shall be used for carrying out a competitive, peer-reviewed program under which the Director, in close coordination with and as a complement to related activities of the United States Geological Survey, awards grants to, or enters into cooperative agreements with, State and local governments and persons or entities from the academic community and the private sector.” for “and \$50,676,000 for the fiscal year ending September 30, 1996.”

Subsec. (c). Pub. L. 105-47, §1(3), struck out “and” after “September 30, 1995,” and inserted before period at end “; (3) \$18,450,000 for engineering research and \$11,920,000 for geosciences research for the fiscal year ending September 30, 1998, and (4) \$19,000,000 for engineering research and \$12,280,000 for geosciences research for the fiscal year ending September 30, 1999”.

Subsec. (d). Pub. L. 105-47, §1(4), struck out “and” after “September 30, 1995,” and inserted before period at end “; \$2,000,000 for the fiscal year ending September 30, 1998, and \$2,060,000 for the fiscal year ending September 30, 1999”.

1994—Subsec. (a)(7). Pub. L. 103-374, §1(1), inserted “of the Agency” after “to the Director”, struck out “and” after “September 30, 1992,” and inserted before period at end “; \$25,000,000 for the fiscal year ending September 30, 1995, and \$25,750,000 for the fiscal year ending September 30, 1996” after “September 30, 1993”.

Subsec. (b). Pub. L. 103-374, §1(2), struck out “and” after “September 30, 1992;” and inserted before period at end “; \$49,200,000 for the fiscal year ending September 30, 1995; and \$50,676,000 for the fiscal year ending September 30, 1996”.

Subsec. (c). Pub. L. 103-374, §1(3), inserted at end “There are authorized to be appropriated, out of funds otherwise authorized to be appropriated to the National Science Foundation: (1) \$16,200,000 for engineering research and \$10,900,000 for geosciences research for the fiscal year ending September 30, 1995, and (2) \$16,686,000 for engineering research and \$11,227,000 for geosciences research for the fiscal year ending September 30, 1996.”

Subsec. (d). Pub. L. 103-374, §1(4), inserted at end “There are authorized to be appropriated, out of funds otherwise authorized to be appropriated to the National Institute of Standards and Technology, \$1,900,000 for the fiscal year ending September 30, 1995, and \$1,957,000 for the fiscal year ending September 30, 1996.”

1990—Subsec. (a)(7). Pub. L. 101-614, §12(1), substituted “carry out this chapter” for “carry out the provisions of sections 7704 and 7705 of this title”, substituted “\$8,798,000” for “and \$5,798,000”, and inserted before period at end “; \$14,750,000 for the fiscal year ending September 30, 1991, \$19,000,000 for the fiscal year ending September 30, 1992, and \$22,000,000 for the fiscal year ending September 30, 1993”.

Subsec. (b). Pub. L. 101-614, §12(2), substituted “\$55,283,000” for “and \$43,283,000” and inserted before period at end “; of which \$8,000,000 shall be for earthquake investigations under section 7705e of this title; \$50,000,000 for the fiscal year ending September 30, 1991; \$54,500,000 for the fiscal year ending September 30, 1992; and \$62,500,000 for the fiscal year ending September 30, 1993”.

Subsec. (c). Pub. L. 101-614, §12(3), substituted “\$38,454,000” for “and \$35,454,000” and inserted at end “Of the amounts authorized for Engineering under section 101(d)(1)(B) of the National Science Foundation Authorization Act of 1988, \$24,000,000 is authorized for carrying out this chapter for the fiscal year ending September 30, 1991, and of the amounts authorized for Geosciences under section 101(d)(1)(D) of the National Science Foundation Authorization Act of 1988, \$13,000,000 is authorized for carrying out this chapter for the fiscal year ending September 30, 1991. Of the amounts authorized for Research and Related Activities under section 101(e)(1) of the National Science Foundation Authorization Act of 1988, \$29,000,000 is authorized for engineering research under this chapter, and \$14,750,000 is authorized for geosciences research under this chapter, for the fiscal year ending September 30, 1992. Of the amounts authorized for Research and Related Activities under section 101(f)(1) of the National Science Foundation Authorization Act of 1988, \$34,500,000 is authorized for engineering research under this chapter, and \$17,500,000 is authorized for geosciences research under this chapter, for the fiscal year ending September 30, 1993.”

Subsec. (d). Pub. L. 101-614, §12(4), substituted “National Institute of Standards and Technology” for “National Bureau of Standards” in heading and for “Bureau” in text, substituted “\$2,525,000” for “and \$525,000”, and inserted before period at end “; \$1,000,000 for the fiscal year ending September 30, 1991; \$3,000,000 for the fiscal year ending September 30, 1992; and \$4,750,000 for the fiscal year ending September 30, 1993”.

Subsec. (f). Pub. L. 101-614, §12(5), added subsec. (f).

1988—Subsec. (a)(2)(G). Pub. L. 100-418 substituted “Institute” for “Bureau”.

Subsec. (a)(7). Pub. L. 100-252, §1(a), added par. (7).

Subsec. (b). Pub. L. 100-252, §1(b), struck out “and” after “1986;” and inserted “; \$38,540,000 for the fiscal year ending September 30, 1988; \$41,819,000 for the fiscal year ending September 30, 1989; and \$43,283,000 for the fiscal year ending September 30, 1990”.

Subsec. (c). Pub. L. 100-252, §1(c), struck out “and” after “1986;” and inserted “; \$28,235,000 for the fiscal year ending September 30, 1988; \$31,634,000 for the fiscal year ending September 30, 1989; and \$35,454,000 for the fiscal year ending September 30, 1990”.

Subsec. (d). Pub. L. 100-252, §1(d), struck out “and” after “1986;” and inserted “; \$525,000 for the fiscal year ending September 30, 1988; \$525,000 for the fiscal year ending September 30, 1989; and \$525,000 for the fiscal year ending September 30, 1990”.

1985—Subsec. (a)(6). Pub. L. 99-105, §1, added par. (6).

Subsec. (b). Pub. L. 99-105, §2, substituted a semicolon for “; and” after “1984” and inserted “\$35,578,000 for the fiscal year ending September 30, 1986; and \$37,179,000 for the fiscal year ending September 30, 1987”.

Subsec. (c). Pub. L. 99-105, §3, struck out “and” after “1984;” and inserted “\$27,760,000 for the fiscal year ending September 30, 1986; and \$20,009,000 for the fiscal year ending September 30, 1987”.

Subsec. (d). Pub. L. 99-105, §4, struck out “and” after “1984;” and inserted “\$499,000 for the fiscal year ending September 30, 1986; and \$521,000 for the fiscal year ending September 30, 1987”.

1984—Subsec. (a). Pub. L. 98-241, §101(a), added par. (5).

Subsec. (b). Pub. L. 98-241, §101(b), struck out “and” after “1982;” and inserted “; \$35,524,000 for the fiscal year ending September 30, 1984, and \$37,300,200 for the fiscal year ending September 30, 1985”.

Subsec. (c). Pub. L. 98-241, §101(c), struck out “and” after “1982;” and inserted “; \$25,800,000 for the fiscal year ending September 30, 1984; and \$28,665,000 for the fiscal year ending September 30, 1985”.

Subsec. (d). Pub. L. 98-241, §101(d), struck out “and” after “1982;” and inserted “; \$475,000 for the fiscal year ending September 30, 1984; and \$498,750 for the fiscal year ending September 30, 1985”.

Subsec. (e). Pub. L. 98-241, §101(e), substituted “1982,” for “1982 and” and inserted “September 30, 1984, and September 30, 1985,”.

1983—Subsec. (a)(4). Pub. L. 97-464, §101(a), added par. (4).

Subsecs. (b) to (d). Pub. L. 97-464, §101(b)–(d), inserted authorization for fiscal year ending Sept. 30, 1983.

Subsec. (e). Pub. L. 97-464, §101(e), substituted “each of the fiscal years ending September 30, 1982 and September 30, 1983” for “the fiscal year ending September 30, 1982”.

1981—Subsec. (a)(3). Pub. L. 97-80, §101(a), added par. (3).

Subsecs. (b) to (d). Pub. L. 97-80, §101(b)–(d), inserted authorization for fiscal year ending Sept. 30, 1982.

Subsec. (e). Pub. L. 97-80, §101(e), added subsec. (e).

1980—Subsec. (a). Pub. L. 96-472, §103(a), designated existing provisions as par. (1) and added par. (2).

Subsecs. (b), (c). Pub. L. 96-472, §103(b), (c), inserted authorization for fiscal year ending Sept. 30, 1981.

Subsec. (d). Pub. L. 96-472, §103(d), added subsec. (d).

CHANGE OF NAME

“Administrator of the Agency” substituted for “Director of the Agency” in subsec. (a)(7) on authority of section 612(c) of Pub. L. 109-295, set out as a note under section 313 of Title 6, Domestic Security. Any reference to the Administrator of the Federal Emergency Management Agency in title VI of Pub. L. 109-295 or an amendment by title VI to be considered to refer and apply to the Director of the Federal Emergency Management Agency until Mar. 31, 2007, see section 612(f)(2) of Pub. L. 109-295, set out as a note under section 313 of Title 6.

TRANSFER OF FUNCTIONS

For transfer of all functions, personnel, assets, components, authorities, grant programs, and liabilities of the Federal Emergency Management Agency, including the functions of the Under Secretary for Federal Emergency Management relating thereto, to the Federal Emergency Management Agency, see section 315(a)(1) of Title 6, Domestic Security.

For transfer of functions, personnel, assets, and liabilities of the Federal Emergency Management Agency, including the functions of the Director of the Federal Emergency Management Agency relating thereto, to the Secretary of Homeland Security, and for treatment of related references, see former section 313(1) and sections 551(d), 552(d), and 557 of Title 6, Domestic Security, and the Department of Homeland Security Reorganization Plan of November 25, 2002, as modified, set out as a note under section 542 of Title 6.

§ 7707. Advanced National Seismic System

(a) Establishment

The Director of the United States Geological Survey shall establish and operate an Advanced National Seismic System. The purpose of such system shall be to organize, modernize, standardize, and stabilize the national, regional, and urban seismic monitoring systems in the United States, including sensors, recorders, and data analysis centers, into a coordinated system that will measure and record the full range of frequencies and amplitudes exhibited by seismic waves, in order to enhance earthquake research and warning capabilities.

(b) Management plan

Not later than 90 days after November 13, 2000, the Director of the United States Geological Survey shall transmit to the Congress a 5-year management plan for establishing and operating the Advanced National Seismic System. The plan shall include annual cost estimates for both modernization and operation, milestones, standards, and performance goals, as well as plans for securing the participation of all exist-

ing networks in the Advanced National Seismic System and for establishing new, or enhancing existing, partnerships to leverage resources.

(Pub. L. 95-124, §13, as added Pub. L. 106-503, title II, §204, Nov. 13, 2000, 114 Stat. 2305; amended Pub. L. 108-360, title I, §104(b), Oct. 25, 2004, 118 Stat. 1675; Pub. L. 115-307, §8(b), Dec. 11, 2018, 132 Stat. 4417.)

AMENDMENTS

2018—Pub. L. 115-307 substituted “Advanced National Seismic System” for “Advanced National Seismic Research and Monitoring System” in section catchline and wherever appearing in text.

2004—Subsec. (c). Pub. L. 108-360 struck out subsec. (c) which related to authorization of appropriations.

§ 7708. Network for Earthquake Engineering Simulation

(a) Establishment

The Director of the National Science Foundation shall establish the George E. Brown, Jr. Network for Earthquake Engineering Simulation that will upgrade, link, and integrate a system of geographically distributed experimental facilities for earthquake engineering testing of full-sized structures and their components and partial-scale physical models. The system shall be integrated through networking software so that integrated models and databases can be used to create model-based simulation, and the components of the system shall be interconnected with a computer network and allow for remote access, information sharing, and collaborative research.

(b) Authorization of appropriations

In addition to amounts appropriated under section 7706(c) of this title, there are authorized to be appropriated to the National Science Foundation for the George E. Brown, Jr. Network for Earthquake Engineering Simulation—

- (1) \$28,200,000 for fiscal year 2001;
- (2) \$24,400,000 for fiscal year 2002;
- (3) \$4,500,000 for fiscal year 2003;
- (4) \$17,000,000 for fiscal year 2004;
- (5) \$20,000,000 for fiscal year 2005, all of which shall be available for operations and maintenance;
- (6) \$20,400,000 for fiscal year 2006, all of which shall be available for operations and maintenance;
- (7) \$20,870,000 for fiscal year 2007, all of which shall be available for operations and maintenance;
- (8) \$21,390,000 for fiscal year 2008, all of which shall be available for operations and maintenance; and
- (9) \$21,930,000 for fiscal year 2009, all of which shall be available for operations and maintenance.

(Pub. L. 95-124, §14, as added Pub. L. 106-503, title II, §205, Nov. 13, 2000, 114 Stat. 2306; amended Pub. L. 108-360, title I, §104(c), Oct. 25, 2004, 118 Stat. 1675.)

AMENDMENTS

2004—Subsec. (b)(5) to (9). Pub. L. 108-360 added pars. (5) to (9).