

115TH CONGRESS
2D SESSION

H. R. 6650

To reauthorize and amend the National Earthquake Hazards Reduction Program, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

AUGUST 3, 2018

Mr. ROHRBACHER (for himself, Mr. KNIGHT, Mr. SMITH of Texas, and Ms. JAYAPAL) introduced the following bill; which was referred to the Committee on Science, Space, and Technology, and in addition to the Committees on Natural Resources, and Transportation and Infrastructure, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To reauthorize and amend the National Earthquake Hazards Reduction Program, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National Earthquake
5 Hazards Reduction Program Reauthorization Act of
6 2018”.

1 **SEC. 2. MODIFICATION OF FINDINGS AND PURPOSE.**

2 (a) FINDINGS.—Section 2 of the Earthquake Haz-
3 ards Reduction Act of 1977 (42 U.S.C. 7701) is amend-
4 ed—

5 (1) in paragraph (1)—

6 (A) by inserting “, and the Commonwealth
7 of Puerto Rico” after “States”;

8 (B) by inserting “Oregon,” after “New
9 York,”; and

10 (C) by inserting “Tennessee,” after “South
11 Carolina”;

12 (2) in paragraph (2), by striking “prediction
13 techniques and”;

14 (3) by striking paragraph (4) and inserting the
15 following:

16 “(4) A well-funded seismological research pro-
17 gram could provide the scientific understanding
18 needed to fully implement an effective earthquake
19 early warning system.”;

20 (4) in paragraphs (6) and (7), by striking “life-
21 lines” each place it appears and inserting “lifeline
22 infrastructure”; and

23 (5) by adding at the end the following:

24 “(12) The built environment has generally been
25 constructed and maintained to meet the needs of the
26 users under normal conditions. When earthquakes

1 occur, the built environment is generally designed to
2 prevent severe injuries or loss of human life and is
3 not expected to remain operational or able to recover
4 under any specified schedule.

5 “(13) The National Research Council published
6 a study on reducing hazards and risks associated
7 with earthquakes based on the goals and objectives
8 for achieving national earthquake resilience de-
9 scribed in the strategic plan entitled ‘Strategic Plan
10 for the National Earthquake Hazards Reduction
11 Program’. The study and an accompanying report
12 called for work in 18 tasks focused on research, pre-
13 paredness, and mitigation and annual funding of ap-
14 proximately \$300,000,000 per year for 20 years.”.

15 (b) PURPOSE.—Section 3 of such Act (42 U.S.C.
16 7702) is amended—

17 (1) in the matter preceding paragraph (1), in
18 the first sentence, by inserting “and increase the re-
19 silience of communities” after “future earthquakes”;

20 (2) in paragraph (1), by inserting “to individ-
21 uals and the communities” after “an earthquake”;

22 (3) in paragraph (2), by striking “in time of
23 disaster” and inserting “to facilitate community-
24 wide post-earthquake recovery and in times of dis-
25 aster”;

1 (4) in paragraph (3), by striking “for predicting
2 damaging earthquakes and”;

3 (5) in paragraph (4), by inserting “and plan-
4 ning” after “model building”; and

5 (6) in paragraph (5), by striking “reconstruc-
6 tion” and inserting “re-occupancy, recovery, recon-
7 struction,”.

8 (c) DEFINITIONS.—

9 (1) LIFELINE INFRASTRUCTURE.—

10 (A) IN GENERAL.—Section 4(6) of such
11 Act (42 U.S.C. 7703(6)) is amended by striking
12 “lifelines” and inserting “lifeline infrastruc-
13 ture”.

14 (B) CONFORMING AMENDMENT.—Such Act
15 (42 U.S.C. 7701 et seq.) is amended by striking
16 “lifelines” each place it appears and inserting
17 “lifeline infrastructure”.

18 (2) COMMUNITY RESILIENCE.—Section 4 of
19 such Act (42 U.S.C. 7703) is amended by adding at
20 the end the following:

21 “(10) The term ‘community resilience’ means
22 the ability of a community to prepare and plan for,
23 absorb, recover from, and more successfully adapt to
24 adverse seismic events.”.

1 **SEC. 3. MODIFICATION OF NATIONAL EARTHQUAKE HAZ-**
2 **ARDS REDUCTION PROGRAM.**

3 (a) MODIFICATION OF PROGRAM ACTIVITIES.—Sub-
4 section (a)(2) of section 5 of the Earthquake Hazards Re-
5 duction Act of 1977 (42 U.S.C. 7704) is amended—

6 (1) in subparagraph (B)—

7 (A) in clause (iii), by inserting “, commu-
8 nity resilience,” after “seismic risk”; and

9 (B) by adding at the end the following:

10 “(iv) publishing a systematic set of
11 maps of active faults and folds, lique-
12 faction susceptibility, susceptibility for
13 earthquake induced landslides, and other
14 seismically induced hazards; and”;

15 (2) in subparagraph (D), by striking “develop,
16 operate” and all that follows through “7708),” and
17 inserting “continue the development of the Advanced
18 National Seismic System, including earthquake early
19 warning capabilities”.

20 (b) AMENDMENTS RELATING TO INTERAGENCY CO-
21 ORDINATING COMMITTEE ON EARTHQUAKE HAZARDS RE-
22 DUCATION.—

23 (1) CLARIFICATION REGARDING MEMBER-
24 SHIP.—Subparagraph (B) of subsection (a)(3) of
25 such section is amended, in the matter preceding

1 clause (i), by striking “The committee” and insert-
2 ing “In addition to the Director, the committee”.

3 (2) REDUCTION IN MINIMUM FREQUENCY OF
4 MEETINGS OF INTERAGENCY COORDINATING COM-
5 MITTEE ON EARTHQUAKE HAZARDS REDUCTION.—
6 Subparagraph (C) of such subsection is amended by
7 striking “not less than 3 times a year” and inserting
8 “not less frequently than once each year”.

9 (3) EXPANSION OF DUTIES.—Subparagraph
10 (D) of such subsection is amended to read as fol-
11 lows:

12 “(D) DUTIES.—

13 “(i) GENERAL DUTY.—The Inter-
14 agency Coordinating Committee shall over-
15 see the planning, management, and coordi-
16 nation of the Program.

17 “(ii) SPECIFIC DUTIES.—The duties
18 of the Interagency Coordinating Committee
19 include the following:

20 “(I) Developing, not later than 6
21 months after the date of the enact-
22 ment of the National Earthquake
23 Hazards Reduction Program Reau-
24 thorization Act of 2004 and updating
25 periodically—

1 “(aa) a strategic plan that
2 establishes goals and priorities
3 for the Program activities de-
4 scribed under subsection (a)(2);
5 and

6 “(bb) a detailed manage-
7 ment plan to implement such
8 strategic plan.

9 “(II) Developing a coordinated
10 interagency budget for the Program
11 that will ensure appropriate balance
12 among the Program activities de-
13 scribed under subsection (a)(2), and,
14 in accordance with the plans devel-
15 oped under subclause (I), submitting
16 such budget to the Director of the Of-
17 fice of Management and Budget at
18 the time designated by the Director
19 for agencies to submit biennial budg-
20 ets.

21 “(III) Developing interagency
22 memorandums of understanding with
23 any relevant Federal agencies on data
24 sharing and resource commitment in
25 the event of an earthquake disaster.

1 “(IV) Coordinating with the
2 Interagency Coordinating Committee
3 on Windstorm Impact Reduction and
4 other natural hazards coordination
5 committees as the Director determines
6 appropriate to share data and best
7 practices.

8 “(V) Coordinating with the Ad-
9 ministrator of the National Aero-
10 nautics and Space Administration and
11 the Administrator of the National
12 Oceanic and Atmospheric Administra-
13 tion on data sharing and resource al-
14 location to ensure judicious use of
15 Government resources and the free-
16 flowing exchange of information re-
17 lated to earthquakes.

18 “(VI) Coordinating with the Sec-
19 retary of Agriculture and the Sec-
20 retary of the Interior on the use of
21 public lands for earthquake moni-
22 toring and research stations, and re-
23 lated data collection.

24 “(VII) Coordinating with the
25 Secretary of Transportation and the

1 Secretary of Housing and Urban De-
2 velopment on the effects of earth-
3 quakes on transportation and housing
4 stocks.

5 “(iii) ASSISTANCE FROM SECRETARY
6 OF AGRICULTURE AND SECRETARY OF THE
7 INTERIOR.—To the extent practicable, the
8 Secretary of Agriculture and the Secretary
9 of the Interior shall expedite any request
10 for a permit to use public land under
11 clause (ii)(VI).”.

12 (4) REDUCTION IN FREQUENCY OF REPORTING
13 BY INTERAGENCY COORDINATING COMMITTEE ON
14 EARTHQUAKE HAZARDS REDUCTION.—

15 (A) IN GENERAL.—Subsection (a)(4) of
16 such section is amended—

17 (i) in the paragraph heading, by strik-
18 ing “ANNUAL” and inserting “BIENNIAL”;

19 (ii) by redesignating subparagraphs
20 (A) through (F) as clauses (i) through (vi),
21 respectively, and adjusting the indentation
22 of the margin of such clauses, as so reded-
23 ignated, two ems to the right;

1 (iii) in clause (v), as so redesignated,
2 by striking “; and” and inserting a semi-
3 colon;

4 (iv) in clause (vi), as so redesignated,
5 by striking the period at the end and in-
6 serting “; and”;

7 (v) by inserting after clause (vi), as so
8 redesignated, the following:

9 “(vii) a statement regarding whether
10 the Administrator of the Federal Emer-
11 gency Management Agency has lowered or
12 waived the cost share requirement for as-
13 sistance provided under subsection
14 (b)(2)(A)(i).”;

15 (vi) in the matter preceding clause (i),
16 as so redesignated, by striking “The Inter-
17 agency” and all that follows through “Sen-
18 ate” and inserting the following:

19 “(A) IN GENERAL.—Not less frequently
20 than once every two years, the Interagency Co-
21 ordinating Committee shall submit to the Com-
22 mittee on Commerce, Science, and Transpor-
23 tation, the Committee on Energy and Natural
24 Resources, and the Committee on Homeland
25 Security and Governmental Affairs of the Sen-

1 ate and the Committee on Science, Space, and
2 Technology, the Committee on Energy and
3 Commerce, the Committee on Natural Re-
4 sources, and the Committee on Homeland Secu-
5 rity of the House of Representatives a report on
6 the Program”; and

7 (vii) by adding at the end the fol-
8 lowing:

9 “(B) SUPPORT FOR PREPARATION OF RE-
10 PORT.—Each head of a Program agency shall
11 submit to the Director of the National Institute
12 of Standards and Technology such information
13 as the Director may request for the preparation
14 of a report under subparagraph (A) not later
15 than 90 days after the date on which the Direc-
16 tor requests such information.”.

17 (B) EFFECTIVE DATE.—The amendments
18 made by subparagraph (A) shall take effect on
19 the first day of the first fiscal year beginning
20 after the date of the enactment of this Act.

21 (c) MODIFICATION OF RESPONSIBILITIES OF NA-
22 TIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY.—
23 Subsection (b) of such section is amended—

24 (1) in paragraph (1)—

1 (A) in subparagraph (A), by striking “and
2 constructing,” and inserting “constructing,
3 evaluating, and retrofitting”; and

4 (B) in subparagraph (D), by inserting
5 “provide new and” after “research to”; and

6 (2) in paragraph (5), in the matter preceding
7 subparagraph (A), in the first sentence, by inserting
8 “community resilience through” after “improve”.

9 (d) MODIFICATION OF RESPONSIBILITIES OF FED-
10 ERAL EMERGENCY MANAGEMENT AGENCY.—Paragraph
11 (2) of subsection (b) of such section is amended to read
12 as follows:

13 “(2) DEPARTMENT OF HOMELAND SECURITY;
14 FEDERAL EMERGENCY MANAGEMENT AGENCY.—

15 “(A) PROGRAM RESPONSIBILITIES.—The
16 Administrator of the Federal Emergency Man-
17 agement Agency—

18 “(i) shall operate a program of grants
19 and assistance to enable States to develop
20 mitigation, preparedness, and response
21 plans, purchase necessary instrumentation,
22 prepare inventories and conduct seismic
23 safety inspections of critical structures and
24 lifeline infrastructure, update building,
25 land use planning, and zoning codes and

1 ordinances to enhance seismic safety, in-
2 crease earthquake awareness and edu-
3 cation, and provide assistance to multi-
4 State groups for such purposes;

5 “(ii) shall support the implementation
6 of a comprehensive earthquake education,
7 outreach, and public awareness program,
8 including development of materials and
9 their wide dissemination to all appropriate
10 audiences and support public access to lo-
11 cality-specific information that may assist
12 the public in preparing for, mitigating
13 against, responding to and recovering from
14 earthquakes and related disasters;

15 “(iii) shall, in conjunction with the
16 Director of the National Institute of
17 Standards and Technology, other Federal
18 agencies, and private sector groups, use re-
19 search results to support the preparation,
20 maintenance, and wide dissemination of
21 seismic resistant design guidance and re-
22 lated information on building codes, stand-
23 ards, and practices for new and existing
24 buildings, structures, and lifeline infra-
25 structure, aid in the development of per-

1 performance-based design guidelines and
2 methodologies, and support model codes
3 that are cost effective and affordable in
4 order to promote better practices within
5 the design and construction industry and
6 reduce losses from earthquakes;

7 “(iv) shall enter into cooperative
8 agreements or contracts with States and
9 local jurisdictions and other Federal agen-
10 cies to establish demonstration projects on
11 earthquake hazard mitigation, to link
12 earthquake research and mitigation efforts
13 with emergency management programs, or
14 to prepare educational materials for na-
15 tional distribution; and

16 “(v) shall support the Director of the
17 National Institute of Standards and Tech-
18 nology in the completion of programmatic
19 goals.

20 “(B) STATE ASSISTANCE PROGRAM CRI-
21 TERIA.—In order to qualify for assistance
22 under subparagraph (A)(i), a State must—

23 “(i) demonstrate that the assistance
24 will result in enhanced seismic safety in
25 the State;

1 “(ii) provide 25 percent of the costs of
2 the activities for which assistance is being
3 given, except that the Administrator may
4 lower or waive the cost-share requirement
5 for these activities for a small impover-
6 ished community, as defined in section 203
7 of the Disaster Relief Act of 1974 (42
8 U.S.C. 5133(a)); and
9 “(iii) meet such other requirements as
10 the Administrator shall prescribe.”.

11 (e) MODIFICATION OF RESPONSIBILITIES OF UNITED
12 STATES GEOLOGICAL SURVEY.—Subsection (b)(3) of such
13 section is amended—

14 (1) in the matter preceding subparagraph (A),
15 in the first sentence—

16 (A) by inserting “report on significant do-
17 mestic and international earthquakes and” after
18 “Survey shall”; and

19 (B) by striking “predictions.” and insert-
20 ing “forecasts.”;

21 (2) in subparagraph (C), by striking “pre-
22 dictions, including aftershock advisories” and insert-
23 ing “alerts and early warnings”;

24 (3) by striking subparagraph (D) and inserting
25 the following:

1 “(D) issue when necessary and feasible,
2 and notify the Administrator of the Federal
3 Emergency Management Agency, the Director
4 of the National Institute of Standards and
5 Technology, and State and local officials, an
6 alert and an earthquake warning;”;

7 (4) in subparagraph (E), in the matter pre-
8 ceding clause (i), by striking “using” and inserting
9 “including”;

10 (5) in subparagraph (I), by striking “; and”
11 and inserting a semicolon;

12 (6) in subparagraph (J)—

13 (A) by inserting “and data” after “hazard
14 maps”; and

15 (B) by striking the period at the end and
16 inserting “; and”; and

17 (7) by adding at the end the following:

18 “(K) support the Director of the National
19 Institute of Standards and Technology in the
20 completion of programmatic goals.”.

21 (f) MODIFICATION OF RESPONSIBILITIES OF NA-
22 TIONAL SCIENCE FOUNDATION.—Subsection (b)(4) of
23 such section is amended—

1 (1) in subparagraph (B), by inserting “, State
2 agencies, State geological surveys,” after “con-
3 sortia”;

4 (2) in subparagraph (C), by inserting “to sup-
5 port applied science in the production of a system-
6 atic series of earthquake-related geologic hazard
7 maps, and” after “Survey”;

8 (3) in subparagraph (D), by striking “large-
9 scale experimental and computational facilities of the
10 George E. Brown Jr. Network for Earthquake Engi-
11 neering Simulation and other institutions engaged in
12 research and the implementation of the National
13 Earthquake Hazards Reduction Program” and in-
14 serting “experimental and computational facilities”;

15 (4) in subparagraph (G), by striking “; and”
16 and inserting a semicolon;

17 (5) in subparagraph (H), by striking the period
18 at the end and inserting “; and”;

19 (6) by adding at the end the following:

20 “(I) support the Director of the National
21 Institute of Standards and Technology in the
22 completion of programmatic goals.”;

23 (7) by redesignating subparagraphs (A) through
24 (I) as clauses (i) through (ix), respectively, and in-
25 denting such clauses accordingly;

1 (8) in the matter before clause (i), as redesignig-
2 nated by paragraph (7), in the first sentence, by
3 striking “The National Science Foundation” and in-
4 serting the following:

5 “(A) IN GENERAL.—The National Science
6 Foundation”; and

7 (9) by adding at the end the following:

8 “(B) IDENTIFICATION OF FUNDING.—The
9 National Science Foundation shall—

10 “(i) to the extent practicable, note in
11 any notice of Program funding or other
12 funding possibilities under the Program
13 that the funds are part of the Program;

14 “(ii) to the extent practicable, track
15 the awarding of Federal funds through the
16 Program; and

17 “(iii) not less frequently than once
18 every 2 years, submit to the director of the
19 Program a report specifying the amount of
20 Federal funds awarded to conduct research
21 that enhances the understanding of earth-
22 quake science.”.

1 **SEC. 4. REVIEW OF THE NATIONAL EARTHQUAKE HAZARD**
2 **REDUCTION PROGRAM.**

3 (a) **IN GENERAL.**—As soon as practicable, but not
4 later than such date as is necessary for the Comptroller
5 General of the United States to submit the report required
6 by subsection (c) in accordance with such subsection, the
7 Comptroller General shall complete a review of Federal
8 earthquake hazard risk reduction efforts.

9 (b) **ELEMENTS.**—The review conducted under sub-
10 section (a) shall include the following:

11 (1) A comprehensive assessment of—

12 (A) the extent to which the United States
13 Geological Survey has identified the risks and
14 hazards to the United States posed by earth-
15 quakes, including risks and hazards resulting
16 from tsunamis and landslides that are gen-
17 erated by earthquakes;

18 (B) the efforts of the Federal Emergency
19 Management Agency and the National Institute
20 of Standards and Technology to improve the re-
21 siliance of the United States to earthquakes and
22 to identify important gaps in the resilience of
23 the United States to earthquakes;

24 (C) the progress made by the National In-
25 stitute of Standards and Technology and the
26 Interagency Coordinating Committee (as de-

1 fined in section 4 the Earthquake Hazards Re-
2 duction Act of 1977 of the Earthquake Hazards
3 Reduction Act of 1977 (42 U.S.C. 7703)) to co-
4 ordinate effectively the budget and activities of
5 the Program agencies (as defined in such sec-
6 tion 4) in advancing the plans and goals of the
7 Program (as defined in such section 4) and how
8 coordination among the Program agencies may
9 be improved; and

10 (D) the extent to which the results of re-
11 search in earthquake risk and hazards reduc-
12 tion supported by the National Science Founda-
13 tion during the 40 years of the Program have
14 been effectively disseminated to Federal, State,
15 local, and private sector stakeholders.

16 (2) Recommendations to improve the Program
17 and the resiliency of the United States to earth-
18 quake risks.

19 (c) REPORT.—As soon as practicable, but not later
20 than 3 years after the date of the enactment of this Act,
21 the Comptroller General shall submit to the Committee
22 on Commerce, Science, and Transportation, the Com-
23 mittee on Energy and Natural Resources, and the Com-
24 mittee on Homeland Security and Governmental Affairs
25 of the Senate and the Committee on Science, Space, and

1 Technology, the Committee on Natural Resources, and the
2 Committee on Homeland Security of the House of Rep-
3 resentatives a report on the findings of the Comptroller
4 General with respect to the review completed under sub-
5 section (a).

6 **SEC. 5. SEISMIC STANDARDS.**

7 Section 8 of the Earthquake Hazards Reduction Act
8 of 1977 (42 U.S.C. 7705b) is amended to read as follows:

9 **“SEC. 8. SEISMIC STANDARDS.**

10 “(a) ASSESSMENT AND RECOMMENDATIONS.—Not
11 later than December 1, 2019, the Director of the National
12 Institute of Standards and Technology and the Adminis-
13 trator of the Federal Emergency Management Agency
14 shall jointly convene a committee of experts from Federal
15 agencies, nongovernmental organizations, private sector
16 entities, disaster management professional associations,
17 engineering professional associations, and professional
18 construction and homebuilding industry associations, to
19 assess and recommend options for improving the built en-
20 vironment and critical infrastructure to reflect perform-
21 ance goals stated in terms of post-earthquake reoccupancy
22 and functional recovery time.

23 “(b) REPORT TO CONGRESS.—Not later than June
24 30, 2020, the committee convened under paragraph (1)
25 shall submit to the Committee on Commerce, Science, and

1 Transportation, the Committee on Energy and Natural
2 Resources, and the Committee on Homeland Security and
3 Governmental Affairs of the Senate and the Committee
4 on Science, Space, and Technology, the Committee on
5 Natural Resources, and the Committee on Homeland Se-
6 curity of the House of Representatives a report on rec-
7 ommended options for improving the built environment
8 and critical infrastructure to reflect performance goals
9 stated in terms of post-earthquake reoccupancy and func-
10 tional recovery time.”.

11 **SEC. 6. MANAGEMENT PLAN FOR ADVANCED NATIONAL**
12 **SEISMIC SYSTEM.**

13 (a) **PLAN REQUIRED.**—Not later than 1 year after
14 the date of the enactment of this Act, the United States
15 Geological Survey shall submit to Congress a 5-year man-
16 agement plan for the continued operation of the Advanced
17 National Seismic System.

18 (b) **ELEMENTS.**—The plan required by subsection (a)
19 shall include the following:

20 (1) Strategies to continue the development of
21 an earthquake early warning system.

22 (2) A mechanism for securing the participation
23 of State and regional level earthquake monitoring
24 entities, including those defunded by the Advanced
25 National Seismic System in the last five years.

1 (3) A plan to encourage and support the inte-
2 gration of geospatial data products into earthquake
3 monitoring in regions experiencing large earth-
4 quakes.

5 (4) A plan to identify and evaluate existing
6 data sets available across commercial, civil, and de-
7 fense entities to determine if there are additional
8 data sources to inform the development and deploy-
9 ment of the Advanced National Seismic System and
10 an earthquake early warning system.

11 (5) A plan to ensure that there is an active,
12 geographically diverse, management and advisory
13 structure for the Advanced National Seismic Sys-
14 tem.

15 **SEC. 7. AUTHORIZATION OF APPROPRIATIONS.**

16 Section 12 of the Earthquake Hazards Reduction Act
17 of 1977 (42 U.S.C. 7706) is amended—

18 (1) in subsection (a)(8)—

19 (A) in subparagraph (D), by striking
20 “and” at the end; and

21 (B) by inserting before the language fol-
22 lowing subparagraph (E) the following:

23 “(F) \$8,758,000 for fiscal year 2019,

24 “(G) \$8,758,000 for fiscal year 2020,

25 “(H) \$8,758,000 for fiscal year 2021,

1 “(I) \$8,758,000 for fiscal year 2022, and

2 “(J) \$8,758,000 for fiscal year 2023,”;

3 (2) in subsection (b)(2)—

4 (A) in subparagraph (D), by striking “;
5 and” and inserting a semicolon;

6 (B) in subparagraph (E), by striking the
7 period at the end and inserting a semicolon;
8 and

9 (C) by adding at the end the following:

10 “(F) \$83,403,000 for fiscal year 2019, of
11 which not less than \$30,000,000 shall be made
12 available for completion of the Advanced Na-
13 tional Seismic System established under section
14 7707 of this title;

15 “(G) \$83,403,000 for fiscal year 2020, of
16 which not less than \$30,000,000 shall be made
17 available for completion of the Advanced Na-
18 tional Seismic System established under section
19 7707 of this title;

20 “(H) \$83,403,000 for fiscal year 2021, of
21 which not less than \$30,000,000 shall be made
22 available for completion of the Advanced Na-
23 tional Seismic System established under section
24 7707 of this title;

1 “(I) \$83,403,000 for fiscal year 2022, of
2 which not less than \$30,000,000 shall be made
3 available for completion of the Advanced Na-
4 tional Seismic System established under section
5 7707 of this title; and

6 “(J) \$83,403,000 for fiscal year 2023, of
7 which not less than \$30,000,000 shall be made
8 available for completion of the Advanced Na-
9 tional Seismic System established under section
10 7707 of this title.”;

11 (3) in subsection (c)(2)—

12 (A) in subparagraph (D), by striking
13 “and” at the end;

14 (B) in subparagraph (E), by striking the
15 period at the end and inserting a semicolon;
16 and

17 (C) by adding at the end the following:

18 “(F) \$54,000,000 for fiscal year 2019,

19 “(G) \$54,000,000 for fiscal year 2020,

20 “(H) \$54,000,000 for fiscal year 2021,

21 “(I) \$54,000,000 for fiscal year 2022, and

22 “(J) \$54,000,000 for fiscal year 2023.”;

23 and

24 (4) in subsection (d)(2)—

1 (A) in subparagraph (D), by striking
2 “and” at the end; and

3 (B) by inserting before the language fol-
4 lowing subparagraph (E) the following:

5 “(F) \$5,900,000 for fiscal year 2019,

6 “(G) \$5,900,000 for fiscal year 2020,

7 “(H) \$5,900,000 for fiscal year 2021,

8 “(I) \$5,900,000 for fiscal year 2022, and

9 “(J) \$5,900,000 for fiscal year 2023.”.

10 **SEC. 8. TECHNICAL CORRECTIONS.**

11 (a) CORRECTION OF TITLE OF ADMINISTRATOR OF
12 THE FEDERAL EMERGENCY MANAGEMENT AGENCY.—
13 The Earthquake Hazards Reduction Act of 1977 (42
14 U.S.C. 7701 et seq.) is amended—

15 (1) in section 5 (42 U.S.C. 7704)—

16 (A) in subsection (a)(3)(B), as amended by
17 section 3(b)(1) of this Act—

18 (i) in the matter preceding clause (i),
19 by striking “the directors of”;

20 (ii) in clause (i), by inserting “the Ad-
21 ministrator of” before “the”; and

22 (iii) in clauses (ii) through (v), by in-
23 serting “the Director of” before “the” each
24 place it appears; and

1 (B) in subsection (b)(3)(C), as amended by
2 section 3(e), by striking “Director of the Fed-
3 eral” and inserting “Administrator of the Fed-
4 eral”; and

5 (2) in section 9 (42 U.S.C. 7705c), by striking
6 “Director of the Agency” and inserting “Adminis-
7 trator of the Federal Emergency Management Agen-
8 cy” each place it appears.

9 (b) REFERENCES TO THE ADVANCED NATIONAL
10 SEISMIC SYSTEM.—Such Act is amended—

11 (1) in section 13 (42 U.S.C. 7707), in the sec-
12 tion heading, by striking “**ADVANCED NATIONAL**
13 **SEISMIC RESEARCH AND MONITORING SYS-**
14 **TEM**” and inserting “**ADVANCED NATIONAL SEIS-**
15 **MIC SYSTEM**”; and

16 (2) by striking “Advanced National Seismic Re-
17 search and Monitoring System” each place it ap-
18 pears and inserting “Advanced National Seismic
19 System”.

20 (c) INCORRECT CROSS-REFERENCES.—Paragraph
21 (4) of section 5(a) of such Act (42 U.S.C. 7704(a)), as
22 amended by section 3(b)(4)(A) of this Act, is amended—

23 (1) in clauses (i) and (ii) of subparagraph (A),
24 as redesignated by such section 3(b)(4)(A), by strik-

1 ing “subparagraph (3)(A)” both places it appears
2 and inserting “paragraph (3)(D)(i)(I)”; and
3 (2) in clause (iii), as so redesignated, by strik-
4 ing “under (3)(A)” and inserting “under paragraph
5 (3)(D)(i)(I)”.

○