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2D SESSION

S. 1768

IN THE HOUSE OF REPRESENTATIVES

SEPTEMBER 28, 2018

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

AN ACT

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,*

1 **SECTION 1. SHORT TITLE.**

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

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

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

9 (1) in paragraph (1)—

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

12 (B) by inserting “Oregon,” after “New
13 York,”; and

14 (C) by inserting “Tennessee,” after “South
15 Carolina”;

16 (2) in paragraph (2), by striking “prediction
17 techniques and”;

18 (3) by striking paragraph (4) and inserting the
19 following:

20 “(4) A well-funded seismological research pro-
21 gram could provide the scientific understanding
22 needed to fully implement an effective earthquake
23 early warning system.”;

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

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

2 “(12) The built environment has generally been
3 constructed and maintained to meet the needs of the
4 users under normal conditions. When earthquakes
5 occur, the built environment is generally designed to
6 prevent severe injuries or loss of human life and is
7 not expected to remain operational or able to recover
8 under any specified schedule.

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

19 (b) PURPOSE.—Section 3 of such Act (42 U.S.C.
20 7702) is amended—

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

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

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

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

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

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

12 (c) DEFINITIONS.—

13 (1) LIFELINE INFRASTRUCTURE.—

14 (A) IN GENERAL.—Section 4(6) of such
15 Act (42 U.S.C. 7703(6)) is amended by striking
16 “lifelines” and inserting “lifeline infrastruc-
17 ture”.

18 (B) CONFORMING AMENDMENT.—Such Act
19 (42 U.S.C. 7701 et seq.) is amended by striking
20 “lifelines” each place it appears and inserting
21 “lifeline infrastructure”.

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

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

5 **SEC. 3. MODIFICATION OF NATIONAL EARTHQUAKE HAZ-**
6 **ARDS REDUCTION PROGRAM.**

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

10 (1) in subparagraph (B)—

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

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

14 “(iv) publishing a systematic set of
15 maps of active faults and folds, lique-
16 faction susceptibility, susceptibility for
17 earthquake induced landslides, and other
18 seismically induced hazards; and”;

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

1 (b) AMENDMENTS RELATING TO INTERAGENCY CO-
 2 ORDINATING COMMITTEE ON EARTHQUAKE HAZARDS RE-
 3 Duction.—

4 (1) CLARIFICATION REGARDING MEMBER-
 5 SHIP.—Subparagraph (B) of subsection (a)(3) of
 6 such section is amended, in the matter preceding
 7 clause (i), by striking “The committee” and insert-
 8 ing “In addition to the Director, the committee”.

9 (2) REDUCTION IN MINIMUM FREQUENCY OF
 10 MEETINGS OF INTERAGENCY COORDINATING COM-
 11 MITTEE ON EARTHQUAKE HAZARDS REDUCTION.—
 12 Subparagraph (C) of such subsection is amended by
 13 striking “not less than 3 times a year” and inserting
 14 “not less frequently than once each year”.

15 (3) EXPANSION OF DUTIES.—Subparagraph
 16 (D) of such subsection is amended to read as fol-
 17 lows:

18 “(D) DUTIES.—

19 “(i) GENERAL DUTY.—The Inter-
 20 agency Coordinating Committee shall over-
 21 see the planning, management, and coordi-
 22 nation of the Program.

23 “(ii) SPECIFIC DUTIES.—The duties
 24 of the Interagency Coordinating Committee
 25 include the following:

1 “(I) Developing, not later than 6
2 months after the date of the enact-
3 ment of the National Earthquake
4 Hazards Reduction Program Reau-
5 thorization Act of 2004 and updating
6 periodically—

7 “(aa) a strategic plan that
8 establishes goals and priorities
9 for the Program activities de-
10 scribed under subsection (a)(2);
11 and

12 “(bb) a detailed manage-
13 ment plan to implement such
14 strategic plan.

15 “(II) Developing a coordinated
16 interagency budget for the Program
17 that will ensure appropriate balance
18 among the Program activities de-
19 scribed under subsection (a)(2), and,
20 in accordance with the plans devel-
21 oped under subclause (I), submitting
22 such budget to the Director of the Of-
23 fice of Management and Budget at
24 the time designated by the Director

1 for agencies to submit biennial budg-
2 ets.

3 “(III) Developing interagency
4 memorandums of understanding with
5 any relevant Federal agencies on data
6 sharing and resource commitment in
7 the event of an earthquake disaster.

8 “(IV) Coordinating with the
9 Interagency Coordinating Committee
10 on Windstorm Impact Reduction and
11 other natural hazards coordination
12 committees as the Director determines
13 appropriate to share data and best
14 practices.

15 “(V) Coordinating with the Ad-
16 ministrator of the National Aero-
17 nautics and Space Administration and
18 the Administrator of the National
19 Oceanic and Atmospheric Administra-
20 tion on data sharing and resource al-
21 location to ensure judicious use of
22 Government resources and the free-
23 flowing exchange of information re-
24 lated to earthquakes.

1 “(VI) Coordinating with the Sec-
2 retary of Agriculture and the Sec-
3 retary of the Interior on the use of
4 public lands for earthquake moni-
5 toring and research stations, and re-
6 lated data collection.

7 “(VII) Coordinating with the
8 Secretary of Transportation and the
9 Secretary of Housing and Urban De-
10 velopment on the effects of earth-
11 quakes on transportation and housing
12 stocks.

13 “(iii) ASSISTANCE FROM SECRETARY
14 OF AGRICULTURE AND SECRETARY OF THE
15 INTERIOR.—To the extent practicable, the
16 Secretary of Agriculture and the Secretary
17 of the Interior shall expedite any request
18 for a permit to use public land under
19 clause (ii)(VI).”.

20 (4) REDUCTION IN FREQUENCY OF REPORTING
21 BY INTERAGENCY COORDINATING COMMITTEE ON
22 EARTHQUAKE HAZARDS REDUCTION.—

23 (A) IN GENERAL.—Subsection (a)(4) of
24 such section is amended—

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

3 (ii) by redesignating subparagraphs
4 (A) through (F) as clauses (i) through (vi),
5 respectively, and adjusting the indentation
6 of the margin of such clauses, as so redesi-
7 gnated, two ems to the right;

8 (iii) in clause (v), as so redesignated,
9 by striking “; and” and inserting a semi-
10 colon;

11 (iv) in clause (vi), as so redesignated,
12 by striking the period at the end and in-
13 serting “; and”;

14 (v) by inserting after clause (vi), as so
15 redesignated, the following:

16 “(vii) a statement regarding whether
17 the Administrator of the Federal Emer-
18 gency Management Agency has lowered or
19 waived the cost share requirement for as-
20 sistance provided under subsection
21 (b)(2)(A)(i).”;

22 (vi) in the matter preceding clause (i),
23 as so redesignated, by striking “The Inter-
24 agency” and all that follows through “Sen-
25 ate” and inserting the following:

1 “(A) IN GENERAL.—Not less frequently
2 than once every two years, the Interagency Co-
3 ordinating Committee shall submit to the Com-
4 mittee on Commerce, Science, and Transpor-
5 tation, the Committee on Energy and Natural
6 Resources, and the Committee on Homeland
7 Security and Governmental Affairs of the Sen-
8 ate and the Committee on Science, Space, and
9 Technology, the Committee on Energy and
10 Commerce, the Committee on Natural Re-
11 sources, and the Committee on Homeland Secu-
12 rity of the House of Representatives a report on
13 the Program”; and

14 (vii) by adding at the end the fol-
15 lowing:

16 “(B) SUPPORT FOR PREPARATION OF RE-
17 PORT.—Each head of a Program agency shall
18 submit to the Director of the National Institute
19 of Standards and Technology such information
20 as the Director may request for the preparation
21 of a report under subparagraph (A) not later
22 than 90 days after the date on which the Direc-
23 tor requests such information.”.

24 (B) EFFECTIVE DATE.—The amendments
25 made by subparagraph (A) shall take effect on

1 the first day of the first fiscal year beginning
2 after the date of the enactment of this Act.

3 (c) MODIFICATION OF RESPONSIBILITIES OF NA-
4 TIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY.—
5 Subsection (b) of such section is amended—

6 (1) in paragraph (1)—

7 (A) in subparagraph (A), by striking “and
8 constructing,” and inserting “constructing,
9 evaluating, and retrofitting”; and

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

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

15 (d) MODIFICATION OF RESPONSIBILITIES OF FED-
16 ERAL EMERGENCY MANAGEMENT AGENCY.—Paragraph
17 (2) of subsection (b) of such section is amended to read
18 as follows:

19 “(2) DEPARTMENT OF HOMELAND SECURITY;
20 FEDERAL EMERGENCY MANAGEMENT AGENCY.—

21 “(A) PROGRAM RESPONSIBILITIES.—The
22 Administrator of the Federal Emergency Man-
23 agement Agency—

24 “(i) shall operate a program of grants
25 and assistance to enable States to develop

1 mitigation, preparedness, and response
2 plans, purchase necessary instrumentation,
3 prepare inventories and conduct seismic
4 safety inspections of critical structures and
5 lifeline infrastructure, update building,
6 land use planning, and zoning codes and
7 ordinances to enhance seismic safety, in-
8 crease earthquake awareness and edu-
9 cation, and provide assistance to multi-
10 State groups for such purposes;

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

21 “(iii) shall, in conjunction with the
22 Director of the National Institute of
23 Standards and Technology, other Federal
24 agencies, and private sector groups, use re-
25 search results to support the preparation,

1 maintenance, and wide dissemination of
2 seismic resistant design guidance and re-
3 lated information on building codes, stand-
4 ards, and practices for new and existing
5 buildings, structures, and lifeline infra-
6 structure, aid in the development of per-
7 formance-based design guidelines and
8 methodologies, and support model codes
9 that are cost effective and affordable in
10 order to promote better practices within
11 the design and construction industry and
12 reduce losses from earthquakes;

13 “(iv) shall enter into cooperative
14 agreements or contracts with States and
15 local jurisdictions and other Federal agen-
16 cies to establish demonstration projects on
17 earthquake hazard mitigation, to link
18 earthquake research and mitigation efforts
19 with emergency management programs, or
20 to prepare educational materials for na-
21 tional distribution; and

22 “(v) shall support the Director of the
23 National Institute of Standards and Tech-
24 nology in the completion of programmatic
25 goals.

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

4 “(i) demonstrate that the assistance
5 will result in enhanced seismic safety in
6 the State;

7 “(ii) provide 25 percent of the costs of
8 the activities for which assistance is being
9 given, except that the Administrator may
10 lower or waive the cost-share requirement
11 for these activities for a small impover-
12 ished community, as defined in section 203
13 of the Disaster Relief Act of 1974 (42
14 U.S.C. 5133(a)); and

15 “(iii) meet such other requirements as
16 the Administrator shall prescribe.”.

17 (e) MODIFICATION OF RESPONSIBILITIES OF UNITED
18 STATES GEOLOGICAL SURVEY.—Subsection (b)(3) of such
19 section is amended—

20 (1) in the matter preceding subparagraph (A),
21 in the first sentence—

22 (A) by inserting “report on significant do-
23 mestic and international earthquakes and” after
24 “Survey shall”; and

1 (B) by striking “predictions.” and insert-
2 ing “forecasts.”;

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

6 (3) by striking subparagraph (D) and inserting
7 the following:

8 “(D) issue when necessary and feasible,
9 and notify the Administrator of the Federal
10 Emergency Management Agency, the Director
11 of the National Institute of Standards and
12 Technology, and State and local officials, an
13 alert and an earthquake warning;”;

14 (4) in subparagraph (E), in the matter pre-
15 ceding clause (i), by striking “using” and inserting
16 “including”;

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

19 (6) in subparagraph (J)—

20 (A) by inserting “and data” after “hazard
21 maps”; and

22 (B) by striking the period at the end and
23 inserting “; and”; and

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

1 “(K) support the Director of the National
2 Institute of Standards and Technology in the
3 completion of programmatic goals.”.

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

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

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

14 (3) in subparagraph (D), by striking “large-
15 scale experimental and computational facilities of the
16 George E. Brown Jr. Network for Earthquake Engi-
17 neering Simulation and other institutions engaged in
18 research and the implementation of the National
19 Earthquake Hazards Reduction Program” and in-
20 serting “experimental and computational facilities”;

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

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

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

1 “(I) support the Director of the National
2 Institute of Standards and Technology in the
3 completion of programmatic goals.”;

4 (7) by redesignating subparagraphs (A) through
5 (I) as clauses (i) through (ix), respectively, and in-
6 denting such clauses accordingly;

7 (8) in the matter before clause (i), as redesign-
8 ated by paragraph (7), in the first sentence, by
9 striking “The National Science Foundation” and in-
10 serting the following:

11 “(A) IN GENERAL.—The National Science
12 Foundation”; and

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

14 “(B) IDENTIFICATION OF FUNDING.—The
15 National Science Foundation shall—

16 “(i) to the extent practicable, note in
17 any notice of Program funding or other
18 funding possibilities under the Program
19 that the funds are part of the Program;

20 “(ii) to the extent practicable, track
21 the awarding of Federal funds through the
22 Program; and

23 “(iii) not less frequently than once
24 every 2 years, submit to the director of the
25 Program a report specifying the amount of

1 Federal funds awarded to conduct research
2 that enhances the understanding of earth-
3 quake science.”.

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

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

12 (b) ELEMENTS.—The review conducted under sub-
13 section (a) shall include the following:

14 (1) A comprehensive assessment of—

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

21 (B) the efforts of the Federal Emergency
22 Management Agency and the National Institute
23 of Standards and Technology to improve the re-
24 siliance of the United States to earthquakes and

1 to identify important gaps in the resilience of
2 the United States to earthquakes;

3 (C) the progress made by the National In-
4 stitute of Standards and Technology and the
5 Interagency Coordinating Committee (as de-
6 fined in section 4 the Earthquake Hazards Re-
7 duction Act of 1977 of the Earthquake Hazards
8 Reduction Act of 1977 (42 U.S.C. 7703)) to co-
9 ordinate effectively the budget and activities of
10 the Program agencies (as defined in such sec-
11 tion 4) in advancing the plans and goals of the
12 Program (as defined in such section 4) and how
13 coordination among the Program agencies may
14 be improved;

15 (D) the extent to which the results of re-
16 search in earthquake risk and hazards reduc-
17 tion supported by the National Science Founda-
18 tion during the 40 years of the Program has
19 been effectively disseminated to Federal, State,
20 local, and private sector stakeholders; and

21 (E) the extent to which the research done
22 during the 40 years of the Program has been
23 applied to both public and private earthquake
24 risk and hazards reduction.

1 (2) Recommendations to improve the Program
2 and the resiliency of the United States to earth-
3 quake risks.

4 (c) REPORT.—As soon as practicable, but not later
5 than 3 years after the date of the enactment of this Act,
6 the Comptroller General shall submit to the Committee
7 on Commerce, Science, and Transportation, the Com-
8 mittee on Energy and Natural Resources, and the Com-
9 mittee on Homeland Security and Governmental Affairs
10 of the Senate and the Committee on Science, Space, and
11 Technology, the Committee on Natural Resources, and the
12 Committee on Homeland Security of the House of Rep-
13 resentatives a report on the findings of the Comptroller
14 General with respect to the review completed under sub-
15 section (a).

16 **SEC. 5. SEISMIC STANDARDS.**

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

19 **“SEC. 8. SEISMIC STANDARDS.**

20 “(a) ASSESSMENT AND RECOMMENDATIONS.—Not
21 later than December 1, 2019, the Director of the National
22 Institute of Standards and Technology and the Adminis-
23 trator of the Federal Emergency Management Agency
24 shall jointly convene a committee of experts from Federal
25 agencies, nongovernmental organizations, private sector

1 entities, disaster management professional associations,
2 engineering professional associations, and professional
3 construction and homebuilding industry associations, to
4 assess and recommend options for improving the built en-
5 vironment and critical infrastructure to reflect perform-
6 ance goals stated in terms of post-earthquake reoccupancy
7 and functional recovery time.

8 “(b) REPORT TO CONGRESS.—Not later than June
9 30, 2020, the committee convened under paragraph (1)
10 shall submit to the Committee on Commerce, Science, and
11 Transportation, the Committee on Energy and Natural
12 Resources, and the Committee on Homeland Security and
13 Governmental Affairs of the Senate and the Committee
14 on Science, Space, and Technology, the Committee on
15 Natural Resources, and the Committee on Homeland Se-
16 curity of the House of Representatives a report on rec-
17 ommended options for improving the built environment
18 and critical infrastructure to reflect performance goals
19 stated in terms of post-earthquake reoccupancy and func-
20 tional recovery time.”.

21 **SEC. 6. MANAGEMENT PLAN FOR ADVANCED NATIONAL**
22 **SEISMIC SYSTEM.**

23 (a) PLAN REQUIRED.—Not later than 1 year after
24 the date of the enactment of this Act, the United States
25 Geological Survey shall submit to Congress a 5-year man-

1 agement plan for the continued operation of the Advanced
2 National Seismic System.

3 (b) ELEMENTS.—The plan required by subsection (a)
4 shall include the following:

5 (1) Strategies to continue the development of
6 an earthquake early warning system.

7 (2) A mechanism for securing the participation
8 of State and regional level earthquake monitoring
9 entities, including those defunded by the Advanced
10 National Seismic System in the last five years.

11 (3) A plan to encourage and support the inte-
12 gration of geodetic and geospatial data products into
13 earthquake monitoring in regions experiencing large
14 earthquakes.

15 (4) A plan to identify and evaluate existing
16 data sets available across commercial, civil, and de-
17 fense entities to determine if there are additional
18 data sources to inform the development and deploy-
19 ment of the Advanced National Seismic System and
20 an earthquake early warning system.

21 (5) A plan to ensure that there is an active,
22 geographically diverse, management and advisory
23 structure for the Advanced National Seismic Sys-
24 tem.

1 **SEC. 7. AUTHORIZATION OF APPROPRIATIONS.**

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

4 (1) in subsection (a)(8)—

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

7 (B) by inserting before the language fol-
8 lowing subparagraph (E) the following:

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

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

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

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

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

14 (2) in subsection (b)(2)—

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

17 (B) in subparagraph (E), by striking the
18 period at the end and inserting a semicolon;
19 and

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

21 “(F) \$83,403,000 for fiscal year 2019, of
22 which not less than \$30,000,000 shall be made
23 available for completion of the Advanced Na-
24 tional Seismic System established under section
25 7707 of this title;

1 “(G) \$83,403,000 for fiscal year 2020, 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;

6 “(H) \$83,403,000 for fiscal year 2021, 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 “(I) \$83,403,000 for fiscal year 2022, of
12 which not less than \$30,000,000 shall be made
13 available for completion of the Advanced Na-
14 tional Seismic System established under section
15 7707 of this title; and

16 “(J) \$83,403,000 for fiscal year 2023, of
17 which not less than \$30,000,000 shall be made
18 available for completion of the Advanced Na-
19 tional Seismic System established under section
20 7707 of this title.”;

21 (3) in subsection (c)(2)—

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

1 (B) in subparagraph (E), by striking the
 2 period at the end and inserting a semicolon;
 3 and

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

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

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

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

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

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

10 and

11 (4) in subsection (d)(2)—

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

14 (B) by inserting before the language fol-
 15 lowing subparagraph (E) the following:

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

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

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

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

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

21 **SEC. 8. TECHNICAL CORRECTIONS.**

22 (a) CORRECTION OF TITLE OF ADMINISTRATOR OF
 23 THE FEDERAL EMERGENCY MANAGEMENT AGENCY.—
 24 The Earthquake Hazards Reduction Act of 1977 (42
 25 U.S.C. 7701 et seq.) is amended—

1 (1) in section 5 (42 U.S.C. 7704)—

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

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

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

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

11 (B) in subsection (b)(3)(C), as amended by
12 section 3(e), by striking “Director of the Fed-
13 eral” and inserting “Administrator of the Fed-
14 eral”; and

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

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

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

1 (2) by striking “Advanced National Seismic Re-
2 search and Monitoring System” each place it ap-
3 pears and inserting “Advanced National Seismic
4 System”.

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

8 (1) in clauses (i) and (ii) of subparagraph (A),
9 as redesignated by such section 3(b)(4)(A), by strik-
10 ing “subparagraph (3)(A)” both places it appears
11 and inserting “paragraph (3)(D)(i)(I)”; and

12 (2) in clause (iii), as so redesignated, by strik-
13 ing “under (3)(A)” and inserting “under paragraph
14 (3)(D)(i)(I)”.

Passed the Senate September 27, 2018.

Attest:

JULIE E. ADAMS,

Secretary.