GARDNER_1 (as modified)

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AN	AENDMENT NO Calendar No	
Pu	Purpose: In the nature of a substitute.	
IN	THE SENATE OF THE UNITED STATES—115th Cong., 1st Sess.	
	S.1768	
To	reauthorize and amend the National Earthquake Hazards Reduction Program, and for other purposes.	
R	deferred to the Committee on and ordered to be printed	
	Ordered to lie on the table and to be printed	
Ам	TENDMENT IN THE NATURE OF A SUBSTITUTE intended to be proposed by Mr. Gardner (for himself and Ms. Cantwell)	
Viz	:	
1	Strike all after the enacting clause and insert the fol-	
2	lowing:	
3	SECTION 1. SHORT TITLE.	
4	This Act may be cited as the "National Earthquake	
5	Hazards Reduction Program Reauthorization Act of	
6	2017".	
7	SEC. 2. MODIFICATION OF FINDINGS AND PURPOSE.	
8	(a) FINDINGS.—Section 2 of the Earthquake Haz-	
9	ards Reduction Act of 1977 (42 U.S.C. 7701) is amend-	
10	ed —	
11	(1) in paragraph (1)—	

1	(A) by inserting "Oregon," after "New
2	York,"; and
3	(B) by inserting "Tennessee," after
4	"South Carolina";
5	(2) in paragraph (2), by striking "prediction
6	techniques and";
7	(3) by striking paragraph (4) and inserting the
8	following:
9	"(4) A well-funded seismological research pro-
10	gram could provide the scientific understanding
11	needed to fully implement an effective earthquake
12	early warning system.";
13	(4) in paragraphs (6) and (7), by striking "life-
14	lines" each place it appears and inserting "lifeline
15	infrastructure"; and
16	(5) by adding at the end the following:
17	"(12) The built environment has generally been
18	constructed and maintained to meet the needs of the
19	users under normal conditions. When earthquakes
20	occur, the built environment is generally designed to
21	prevent severe injuries or loss of human life and is
22	not expected to remain operational or able to recover
23	under any specified schedule.
24	"(13) The National Research Council published
25	a study on reducing hazards and risks associated

1	with earthquakes based on the goals and objective
2	for achieving national earthquake resilience de
3	scribed in the strategic plan entitled 'Strategic Plan
4	for the National Earthquake Hazards Reduction
5	Program'. The study and an accompanying repor
6	called for work in 18 tasks focused on research, pre
7	paredness, and mitigation and annual funding of ap-
8	proximately \$300,000,000 per year for 20 years.".
9	(b) Purpose.—Section 3 of such Act (42 U.S.C
10	7702) is amended—
11	(1) in the matter preceding paragraph (1), in
12	the first sentence, by inserting "and increase the re-
13	silience of communities" after "future earthquakes"
14	(2) in paragraph (1), by inserting "to individ-
15	uals and the communities" after "an earthquake";
16	(3) in paragraph (2), by striking "in time of
17	disaster" and inserting "to facilitate community-
18	wide post-earthquake recovery and in times of dis-
19	aster";
20	(4) in paragraph (3), by striking "for predicting
21	damaging earthquakes and";
22	(5) in paragraph (4), by inserting "and plan-
23	ning" after "model building"; and

1	(6) in paragraph (5), by striking "reconstruc-
2	tion" and inserting "re-occupancy, recovery, recon-
3	struction,".
4	(c) Definitions.—
5	(1) LIFELINE INFRASTRUCTURE.—
6	(A) In General.—Section 4(6) of such
7	Act (42 U.S.C. 7703(6)) is amended by striking
8	"lifelines" and inserting "lifeline infrastruc-
9	ture".
10	(B) Conforming Amendment.—Such Act
11	(42 U.S.C. 7701 et seq.) is amended by striking
12	"lifelines" each place it appears and inserting
13	"lifeline infrastructure".
14	(2) Community resilience.—Section 4 of
15	such Act (42 U.S.C. 7703) is amended by adding at
16	the end the following:
17	"(3) The term 'community resilience' means the
18	ability of a community to prepare and plan for, ab-
19	sorb, recover from, and more successfully adapt to
20	adverse seismic events.".
21	SEC. 3. MODIFICATION OF NATIONAL EARTHQUAKE HAZ-
22	ARDS REDUCTION PROGRAM.
23	(a) Modification of Program Activities.—Sub-
24	section (a)(2) of section 5 of the Earthquake Hazards Re-
25	duction Act of 1977 (42 U.S.C. 7704) is amended—

1	(1) in subparagraph (B)—
2	(A) in clause (iii), by inserting ", commu-
3	nity resilience," after "seismic risk"; and
4	(B) by adding at the end the following:
5	"(iv) publishing a systematic set of
6	maps of active faults and folds, lique-
7	faction susceptibility, susceptibility for
8	earthquake induced landslides, and other
9	seismically induced hazards; and"; and
10	(2) in subparagraph (D), by striking "develop,
11	operate" and all that follows through "7708)," and
12	inserting "continue the development of the Advanced
13	National Seismic System, including earthquake early
14	warning capabilities".
15	(b) AMENDMENTS RELATING TO INTERAGENCY CO-
16	ORDINATING COMMITTEE ON EARTHQUAKE HAZARDS RE-
17	DUCTION.—
18	(1) Clarification regarding member-
19	SHIP.—Subparagraph (B) of subsection (a)(3) of
20	such section is amended, in the matter preceding
21	clause (i), by striking "The committee" and insert-
22	ing "In addition to the Director, the committee".
23	(2) REDUCTION IN MINIMUM FREQUENCY OF
24	MEETINGS OF INTERAGENCY COORDINATING COM-
25	MITTEE ON EARTHQUAKE HAZARDS REDUCTION —

1	Subparagraph (C) of such subsection is amended by
2	striking "not less than 3 times a year" and inserting
3	"not less frequently than once each year".
4	(3) Expansion of duties.—Subparagraph
5	(D) of such subsection is amended to read as fol-
6	lows:
7	"(D) Duties.—
8	"(i) GENERAL DUTY.—The Inter-
9	agency Coordinating Committee shall over-
10	see the planning, management, and coordi-
11	nation of the Program.
12	"(ii) Specific duties.—The duties
13	of the Interagency Coordinating Committee
14	include the following:
15	"(I) Developing, not later than 6
16	months after the date of the enact-
17	ment of the National Earthquake
18	Hazards Reduction Program Reau-
19	thorization Act of 2004 and updating
20	periodically—
21	"(aa) a strategic plan that
22	establishes goals and priorities
23	for the Program activities de-
24	scribed under subsection (a)(2);
25	and

1	"(bb) a detailed manage-
2	ment plan to implement such
3	strategic plan.
4	"(II) Developing a coordinated
5	interagency budget for the Program
6	that will ensure appropriate balance
7	among the Program activities de-
8	scribed under subsection (a)(2), and,
9	in accordance with the plans devel-
10	oped under subclause (I), submitting
11	such budget to the Director of the Of-
12	fice of Management and Budget at
13	the time designated by the Director
14	for agencies to submit biennial budg-
15	ets.
16	"(III) Developing interagency
17	memorandums of understanding with
18	any relevant Federal agencies on data
19	sharing and resource commitment in
20	the event of an earthquake disaster.
21	"(IV) Coordinating with the Ad-
22	ministrator of the National Aero-
23	nautics and Space Administration and
24	the Administrator of the National
25	Oceanic and Atmospheric Administra-

1	tion on data sharing and resource al-
2	location to ensure judicious use of
3	Government resources and the free-
4	flowing exchange of information re-
5	lated to earthquakes.
6	"(V) Coordinating with the Sec-
7	retary of Agriculture and the Sec-
8	retary of the Interior on the use of
9	public lands for earthquake moni-
10	toring and research stations, and re-
11	lated data collection.
12	"(VI) Coordinating with the Sec-
13	retary of Transportation and the Sec-
14	retary of Housing and Urban Devel-
15	opment on the effects of earthquakes
16	on transportation and housing stocks.
17	"(iii) Assistance from secretary
18	OF AGRICULTURE AND SECRETARY OF THE
19	INTERIOR.—To the extent practicable, the
20	Secretary of Agriculture and the Secretary
21	of the Interior shall expedite any request
22	for a permit to use public land under
23	clause (ii)(V).''.

1	(4) REDUCTION IN FREQUENCY OF REPORTING
2	BY INTERAGENCY COORDINATING COMMITTEE ON
3	EARTHQUAKE HAZARDS REDUCTION.—
4	(A) In General.—Subsection (a)(4) of
5	such section is amended—
6	(i) in the paragraph heading, by strik-
7	ing "Annual" and inserting "BIENNIAL";
8	(ii) by redesignating subparagraphs
9	(A) through (F) as clauses (i) through (vi),
10	respectively, and adjusting the indentation
11	of the margin of such clauses, as so redes-
12	ignated, two ems to the right;
13	(iii) in clause (v), as redesignated, by
14	striking "; and and inserting a semicolon;
15	(iv) in clause (vi), as redesignated, by
16	striking the period at the end and inserting
17	"; and";
18	(v) by inserting after clause (vi), as
19	redesignated, the following:
20	"(vii) a statement regarding whether
21	the Administrator of the Federal Emer-
22	gency Management Agency has lowered or
23	waived the cost share requirement for as-
24	sistance provided under subsection
25	(b)(2)(A)(i).";

1	(vi) in the matter preceding clause (i)
2	as redesignated, by striking "The Inter-
3	agency" and all that follows through "Sen-
4	ate" and inserting the following:
5	"(A) In general.—Not less frequently
6	than once every two years, the Interagency Co-
7	ordinating Committee shall submit to the Com-
8	mittee on Commerce, Science, and Transpor-
9	tation, the Committee on Energy and Natural
10	Resources, and the Committee on Homeland
11	Security and Governmental Affairs of the Sen-
12	ate and the Committee on Energy and Com-
13	merce, the Committee on Natural Resources,
14	and the Committee on Homeland Security of
15	the House of Representatives a report on the
16	Program"; and
17	(vii) by adding at the end the fol-
18	lowing:
19	"(B) Support for preparation of re-
20	PORT.—Each head of a Program agency shall
21	submit to the Director of the National Institute
22	of Standards and Technology such information
23	as the Director may request for the preparation
24	of a report under subparagraph (A) not later

1	than 90 days after the date on which the Direc-
2	tor requests such information.".
3	(B) EFFECTIVE DATE.—The amendments
4	made by subparagraph (A) shall take effect on
5	the first day of the first fiscal year beginning
6	after the date of the enactment of this Act.
7	(c) Modification of Responsibilities of Na-
8	TIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY.—
9	Subsection (b) of such section is amended—
10	(1) in paragraph (1)—
11	(A) in subparagraph (A), by striking "and
12	constructing," and inserting "constructing,
13	evaluating, and retrofitting"; and
14	(B) in subparagraph (D), by inserting
15	"provide new and" after "research to"; and
16	(2) in paragraph (5), in the matter preceding
17	subparagraph (A), in the first sentence, by inserting
18	"community resilience through" after "improve".
19	(d) Modification of Responsibilities of Fed-
20	ERAL EMERGENCY MANAGEMENT AGENCY.—Paragraph
21	(2) of subsection (b) of such section is amended to read
22	as follows:
23	"(2) Department of Homeland Security;
24	FEDERAL EMERGENCY MANAGEMENT AGENCY —

1	"(A) Program responsibilities.—The
2	Administrator of the Federal Emergency Man-
3	agement Agency—
4	"(i) shall operate a program of grants
5	and assistance to enable States to develop
6	mitigation, preparedness, and response
7	plans, purchase necessary instrumentation,
8	prepare inventories and conduct seismic
9	safety inspections of critical structures and
10	lifelines, update building, land use plan-
11	ning, and zoning codes and ordinances to
12	enhance seismic safety, increase earth-
13	quake awareness and education, and pro-
14	vide assistance to multi-State groups for
15	such purposes;
16	"(ii) shall support the implementation
17	of a comprehensive earthquake education,
18	outreach, and public awareness program,
19	including development of materials and
20	their wide dissemination to all appropriate
21	audiences and support public access to lo-
22	cality-specific information that may assist
23	the public in preparing for, mitigating
24	against, responding to and recovering from
25	earthquakes and related disasters;

1	"(iii) shall, in conjunction with the
2	Director of the National Institute of
3	Standards and Technology, other Federal
4	agencies, and private sector groups, use re-
5	search results to support the preparation
6	maintenance, and wide dissemination of
7	seismic resistant design guidance and re-
8	lated information on building codes, stand-
9	ards, and practices for new and existing
10	buildings, structures, and lifelines, aid in
11	the development of performance-based de-
12	sign guidelines and methodologies, and
13	support model codes that are cost effective
14	and affordable in order to promote better
15	practices within the design and construc-
16	tion industry and reduce losses from earth-
17	quakes;
18	"(iv) shall enter into cooperative
19	agreements or contracts with States and
20	local jurisdictions and other Federal agen-
21	cies to establish demonstration projects on
22	earthquake hazard mitigation, to link
23	earthquake research and mitigation efforts
24	with emergency management programs, or

1	to prepare educational materials for na-
2	tional distribution; and
3	"(v) shall support the Director of the
4	National Institute of Standards and Tech-
5	nology in the completion of programmatic
6	goals.
7	"(B) STATE ASSISTANCE PROGRAM CRI-
8	TERIA.—In order to qualify for assistance
9	under subparagraph (A)(i), a State must—
10	"(i) demonstrate that the assistance
11	will result in enhanced seismic safety in
12	the State;
13	"(ii) provide 25 percent of the costs of
14	the activities for which assistance is being
15	given, except that the Administrator may
16	lower or waive the cost-share requirement
17	for these activities for a small impover-
18	ished community, as defined in section 203
19	of the Disaster Relief Act of 1974 (42
20	U.S.C. 5133(a)); and
21	"(iii) meet such other requirements as
22	the Administrator shall prescribe.".
23	(e) Modification of Responsibilities of United
24	STATES GEOLOGICAL SURVEY.—Subsection (b)(3) of such
25	section is amended—

1	(1) in the matter preceding subparagraph (A),
2	in the first sentence—
3	(A) by inserting "report on significant do-
4	mestic and international earthquakes and" after
5	"Survey shall"; and
6	(B) by striking "predictions." and insert-
7	ing "forecasts.";
8	(2) in subparagraph (C), by striking "pre-
9	dictions, including aftershock advisories" and insert-
10	ing "alerts and early warnings";
11	(3) by striking subparagraph (D) and inserting
12	the following:
13	"(D) issue when necessary and feasible,
14	and notify the Administrator of the Federal
15	Emergency Management Agency, the Director
16	of the National Institute of Standards and
17	Technology, and State and local officials, an
18	alert and an earthquake warning;";
19	(4) in subparagraph (E), in the matter pre-
20	ceding clause (i), by striking "using" and inserting
21	"including";
22	(5) in subparagraph (I), by striking "; and"
23	and inserting a semicolon;
24	(6) in subparagraph (J)—

1	(A) by inserting "and data" after "hazard
2	maps''; and
3	(B) by striking the period at the end and
4	inserting "; and"; and
5	(7) by adding at the end the following:
6	"(K) support the Director of the National
7	Institute of Standards and Technology in the
8	completion of programmatic goals.".
9	(f) Modification of Responsibilities of Na-
10	TIONAL SCIENCE FOUNDATION.—Subsection (b)(4) of
11	such section is amended—
12	(1) in subparagraph (B), by inserting ", State
13	agencies, State geological surveys,";
14	(2) in subparagraph (C), by inserting "to sup-
15	port applied science in the production of a system-
16	atic series of earthquake-related geologic hazard
17	maps, and" after "Survey";
18	(3) in subparagraph (D), by striking "large-
19	scale experimental and computational facilities of the
20	George E. Brown Jr. Network for Earthquake Engi-
21	neering Simulation and other institutions engaged in
22	research and the implementation of the National
23	Earthquake Hazards Reduction Program" and in-
24	serting "experimental and computational facilities";

1	(4) in subparagraph (G), by striking "; and"
2	and inserting a semicolon;
3	(5) in subparagraph (H), by striking the period
4	at the end and inserting "; and";
5	(6) by adding at the end the following:
6	"(I) support the Director of the National
7	Institute of Standards and Technology in the
8	completion of programmatic goals.";
9	(7) by redesignating subparagraphs (A) through
10	(I) as clauses (i) through (ix), respectively, and in-
11	denting such clauses accordingly;
12	(8) in the matter before clause (i), as redesig-
13	nated by paragraph (7), in the first sentence, by
14	striking "The National Science Foundation" and in-
15	serting the following:
16	"(A) IN GENERAL.—The National Science
17	Foundation"; and
18	(9) by adding at the end the following:
19	"(B) IDENTIFICATION OF FUNDING.—The
20	National Science Foundation shall—
21	"(i) to the extent practicable, note in
22	any notice of Program funding or other
23	funding possibilities under the Program
24	that the funds are part of the Program;

1	"(ii) to the extent practicable, track
2	the awarding of Federal funds through the
3	Program; and
4	"(iii) not less frequently than once
5	every 2 years, submit to the director of the
6	Program a report specifying the amount of
7	Federal funds awarded to conduct research
8	that enhances the understanding of earth-
9	quake science.".
10	SEC. 4. REVIEW OF RISKS POSED BY EARTHQUAKES TO
11	THE UNITED STATES.
12	(a) In General.—As soon as practicable, but not
13	later than such date as is necessary for the Comptroller
14	General of the United States to submit the report required
15	by subsection (c) in accordance with such subsection, the
16	Comptroller General shall complete a review of risks posed
17	by earthquakes to the United States.
18	(b) Elements.—The review conducted under sub-
19	section (a) shall include the following:
20	(1) A comprehensive assessment of—
21	(A) the risks and hazards to the United
22	States posed by earthquakes, including risks
23	and hazards resulting from tsunamis and land-
24	slides that are generated by earthquakes;

1	(B) the efforts of the Federal Emergency
2	Management Agency and the National Institute
3	of Standards and Technology to improve the re-
4	silience of the United States to earthquakes and
5	to identify important gaps in the resilience of
6	the United States to earthquakes;
7	(C) the progress made by the National In-
8	stitute of Standards and Technology and the
9	Interagency Coordinating Committee to coordi-
10	nate effectively the budget and activities of the
11	Program agencies (as defined in section 4 of
12	the Earthquake Hazards Reduction Act of 1977
13	(42 U.S.C. 7703)) in advancing the plans and
14	goals of the National Earthquake Hazards Re-
15	duction Program and how coordination among
16	the Program agencies can be improved;
17	(D) the extent to which the Federal Gov-
18	ernment, States, local, and tribal governments,
19	and the private sector are already implementing
20	strategies to improve resilience of the United
21	States to earthquakes; and
22	(E) the extent to which the research done
23	during the 40 years of the Program has been
24	applied to both public and private earthquake
25	risk and hazards reduction.

1	(2) Identification of such legislative or adminis-
2	trative action as may be appropriate to improve the
3	Program and the resilience of the United States to
4	earthquakes.
5	(c) Report.—As soon as practicable, but not later
6	than 3 years after the date of the enactment of this Act
7	the Comptroller General shall submit to the Committee
8	on Commerce, Science, and Transportation, the Com-
9	mittee on Energy and Natural Resources, and the Com-
10	mittee on Homeland Security and Governmental Affairs
11	of the Senate and the Committee on Science, Space, and
12	Technology, the Committee on Natural Resources, and the
13	Committee on Homeland Security of the House of Rep-
14	resentatives a report on the findings of the Comptroller
15	General with respect to the review completed under sub-
16	section (a).
17	SEC. 5. SEISMIC STANDARDS.
18	Section 8 of the Earthquake Hazards Reduction Act
19	of 1977 (42 U.S.C. 7705b) is amended to read as follows:
20	"SEC. 8. SEISMIC STANDARDS.
21	"(a) Assessment and Recommendations.—Not
22	later than December 1, 2019, the Director of the National
23	Institute of Standards and Technology and the Adminis-
24	trator of the Federal Emergency Management Agency
25	shall jointly convene a committee of experts from Federal

- 1 agencies, nongovernmental organizations, private sector
- 2 entities, disaster management professional associations,
- 3 engineering professional associations, and professional
- 4 construction and homebuilding industry associations, to
- 5 assess and recommend options for improving the built en-
- 6 vironment and critical infrastructure to reflect perform-
- 7 ance goals stated in terms of post-earthquake reoccupancy
- 8 and functional recovery time.
- 9 "(b) Report to Congress.—Not later than June
- 10 30, 2020, the committee convened under paragraph (1)
- 11 shall submit to the Committee on Commerce, Science, and
- 12 Transportation, the Committee on Energy and Natural
- 13 Resources, and the Committee on Homeland Security and
- 14 Governmental Affairs of the Senate and the Committee
- 15 on Science, Space, and Technology, the Committee on
- 16 Natural Resources, and the Committee on Homeland Se-
- 17 curity of the House of Representatives a report on rec-
- 18 ommended options for improving the built environment
- 19 and critical infrastructure to reflect performance goals
- 20 stated in terms of post-earthquake reoccupancy and func-
- 21 tional recovery time.".
- 22 SEC. 6. MANAGEMENT PLAN FOR ADVANCED NATIONAL
- 23 SEISMIC SYSTEM.
- 24 (a) Plan Required.—Not later than 1 year after
- 25 the date of the enactment of this Act, the United States

1	Geological Survey shall submit to Congress a 5-year man-
2	agement plan for the continued operation of the Advanced
3	National Seismic System.
4	(b) Elements.—The plan required by subsection (a)
5	shall include the following:
6	(1) Strategies to continue the development of
7	an earthquake early warning system.
8	(2) A mechanism for securing the participation
9	of State and regional level earthquake monitoring
10	entities, including those defunded by the Advanced
11	National Seismic System in the last five years.
12	(3) A plan to encourage and support the inte-
13	gration of geospatial data products into earthquake
14	monitoring in regions experiencing large earth-
15	quakes.
16	(4) A plan to ensure that there is an active,
17	geographically diverse, management and advisory
18	structure for the Advanced National Seismic Sys-
19	tem.
20	SEC. 7. AUTHORIZATION OF APPROPRIATIONS.
21	Section 12 of the Earthquake Hazards Reduction Act
22	of 1977 (42 U.S.C. 7706) is amended—
23	(1) in subsection (a)(8)—
24	(A) in subparagraph (D), by striking
25	"and" at the end; and

1	(B) by inserting before the language fol-
2	lowing subparagraph (E) the following:
3	"(F) $\$8,670,000$ for fiscal year 2018 ,
4	"(G) $\$8,843,000$ for fiscal year 2019 ,
5	"(H) $$9,020,000$ for fiscal year 2020 ,
6	"(I) $$9,200,000$ for fiscal year 2021, and
7	"(J) \$9,385,000 for fiscal year 2022,";
8	(2) in subsection $(b)(2)$ —
9	(A) in subparagraph (D), by striking ";
10	and" and inserting a semicolon;
11	(B) in subparagraph (E), by striking the
12	period at the end and inserting a semicolon;
13	and
14	(C) by adding at the end the following:
15	"(F) $$72,420,000$ for fiscal year 2018, 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	"(G) \$73,868,000 for fiscal year 2019, 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	"(H) $$75,345,000$ for fiscal year 2020, of
2	which not less than \$30,000,000 shall be made
3	available for completion of the Advanced Na-
4	tional Seismic System established under section
5	7707 of this title;
6	"(I) $75,853,000$ for fiscal year 2021, of
7	which not less than \$30,000,000 shall be made
8	available for completion of the Advanced Na-
9	tional Seismic System established under section
10	7707 of this title; and
11	('(J) \$78,390,000 for fiscal year 2022, of
12	which not less than \$30,000,000 shall be made
13	available for completion of the Advanced Na-
14	tional Seismic System established under section
15	7707 of this title.";
16	(3) in subsection $(c)(2)$ —
17	(A) in subparagraph (D), by striking
18	"and" at the end;
19	(B) in subparagraph (E), by striking the
20	period at the end and inserting a semicolon;
21	and
22	(C) by adding at the end the following:
23	"(F) $$55,080,000$ for fiscal year 2018,
24	"(G) $$56,181,000$ for fiscal year 2019,
25	"(H) \$57,305,000 for fiscal year 2020,

1	"(I) \$58,451,000 for fiscal year 2021, and
2	((J) \$59,620,000 for fiscal year 2022.";
3	and
4	(4) in subsection $(d)(2)$ —
5	(A) in subparagraph (D), by striking
6	"and" at the end;
7	(B) in subparagraph (E), by striking the
8	period at the end and inserting a comma; and
9	(C) by adding at the end the following:
10	"(F) $5,304,000$ for fiscal year 2018,
11	"(G) \$5,410,000 for fiscal year 2019,
12	"(H) \$5,518,000 for fiscal year 2020,
13	"(I) $$5,628,000$ for fiscal year 2021, and
14	"(J) $5,741,000$ for fiscal year 2022.".
15	SEC. 8. TECHNICAL CORRECTIONS.
16	(a) Correction of Title of Administrator of
17	THE FEDERAL EMERGENCY MANAGEMENT AGENCY.—
18	The Earthquake Hazards Reduction Act of 1977 (42
19	U.S.C. 7701 et seq.) is amended—
20	(1) in section 5 of the Earthquake Hazards Re-
21	duction Act of 1977 (42 U.S.C. 7704)—
22	(A) in subsection (a)(3)(B), as amended by
23	section 3(b)(1)—
24	(i) in the matter preceding clause (i),
25	by striking "the directors of";

1	(ii) in clause (i), by inserting "the Ad-
2	ministrator of" before "the"; and
3	(iii) in clauses (ii) through (v), by in-
4	serting "the Director of" before "the" each
5	place it appears; and
6	(B) in subsection (b)(3)(C), as amended by
7	section 3(e), by striking "Director of the Fed-
8	eral" and inserting "Administrator of the Fed-
9	eral"; and
10	(2) in section 9 of such Act (42 U.S.C. 7705c),
11	by striking "Director of the Agency" and inserting
12	"Administrator of the Federal Emergency Manage-
13	ment Agency" each place it appears.
14	(b) References to the Advanced National
15	SEISMIC SYSTEM.—Such Act is amended—
16	(1) in section 13, in the section heading, by
17	striking "ADVANCED NATIONAL SEISMIC RE-
18	SEARCH AND MONITORING SYSTEM" and insert-
19	ing "ADVANCED NATIONAL SEISMIC SYSTEM";
20	and
21	(2) by striking "Advanced National Seismic Re-
22	search and Monitoring System" each place it ap-
23	pears and inserting "Advanced National Seismic
24	System".

1	(c) Incorrect Cross-References.—Paragraph
2	(4) of section 5(a) of such Act (42 U.S.C. 7704(a)), as
3	amended by section 3(b)(4)(A), is amended—
4	(1) in clauses (i) and (ii) of subparagraph (A),
5	as redesignated by section 3(b)(4)(A), by striking
6	"subparagraph (3)(A)" both places it appears and
7	inserting "paragraph (3)(D)(i)(I)"; and
8	(2) in clause (iii), as redesignated, by striking
9	"under (3)(A)" and inserting "under paragraph
10	(3)(D)(i)(I)".