

113TH CONGRESS  
1ST SESSION

# S. 904

To minimize the economic and social costs resulting from losses of life, property, well-being, business activity, and economic growth associated with extreme weather events by ensuring that the United States is more resilient to the impacts of extreme weather events in the short- and long-term, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

MAY 8, 2013

Mrs. GILLIBRAND (for herself and Mr. WICKER) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

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## A BILL

To minimize the economic and social costs resulting from losses of life, property, well-being, business activity, and economic growth associated with extreme weather events by ensuring that the United States is more resilient to the impacts of extreme weather events in the short- and long-term, 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 “Strengthening The Re-  
3 siliency of Our Nation on the Ground Act” or the  
4 “STRONG Act”.

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

6 (a) FINDINGS.—Congress makes the following find-  
7 ings:

8 (1) Extreme weather has serious economic costs  
9 for Americans, American businesses, and State and  
10 local governments. Hurricanes, droughts, floods, tor-  
11 nadoes, extreme heat, and extreme cold cause death,  
12 result in loss of property and well-being, especially  
13 among the most vulnerable populations, and nega-  
14 tively impact business activity and economic growth.

15 (2) Superstorm Sandy, which devastated the  
16 Eastern United States in late October 2012, re-  
17 sulted in more than 100 deaths, the evacuation of  
18 hundreds of thousands of people from their homes,  
19 power outages affecting more than 8,500,000 homes,  
20 massive flooding, gasoline shortages, and a crippled  
21 regional energy and transportation infrastructure.  
22 As a result of this storm, Congress passed the Dis-  
23 aster Relief Appropriations Act, 2013, which appro-  
24 priated \$50,500,000,000 for post-Sandy recovery ef-  
25 forts.

1           (3) In the past 30 years, there have been more  
2 than 130 weather-related disasters in the United  
3 States that each generated at least \$1,000,000,000  
4 in damages or more than \$880,000,000,000 in total  
5 standardized loss. In addition, there have been many  
6 other extreme weather events that generated less  
7 than \$1,000,000,000 in damages, but still caused  
8 immeasurable harm to the Nation's citizens, infra-  
9 structure, and economy.

10           (4) Hurricane Katrina led to more than 1,800  
11 deaths, property damage exceeding  
12 \$80,000,000,000, more than \$120,000,000,000 in  
13 Federal spending, and long-term impacts on the  
14 economy and livelihoods of those living in the Gulf  
15 Coast region.

16           (5) In 2011, one of the most severe and costly  
17 years for weather and climate on record, extreme  
18 weather hit every region in the United States, result-  
19 ing in—

20                   (A) prolonged droughts in the South and  
21 the West;

22                   (B) deadly floods in the Southeast and  
23 Midwest;

24                   (C) hundreds of devastating tornadoes  
25 across the United States;

1 (D) Hurricane Irene in the Northeast;

2 (E) more than \$50,000,000,000 in weath-  
3 er-related damages;

4 (F) 14 extreme weather events, which re-  
5 sulted in more than \$1,000,000,000 in damages  
6 each and caused a combined death toll of hun-  
7 dreds of people; and

8 (G) many other extreme weather events  
9 with lesser, but still significant, impacts.

10 (6) In 2012, in addition to Superstorm Sandy,  
11 the United States experienced—

12 (A) drought conditions in more than 60  
13 percent of the contiguous United States at the  
14 peak of the drought, including more than 2,200  
15 counties that have received disaster designa-  
16 tions from the Secretary of Agriculture due to  
17 the drought;

18 (B) deadly floods in Minnesota, Tropical  
19 Storm Debby in Florida, and Hurricane Isaac  
20 in Louisiana;

21 (C) destructive wildfires on more than  
22 9,000,000 acres across 37 States;

23 (D) power outages affecting more than  
24 3,400,000 homes due to severe storms during  
25 the summer; and

1 (E) deadly heat waves, highlighted by July  
2 as the warmest month on record for the contig-  
3 uous United States and more than 9,600 daily  
4 high temperature records broken during June,  
5 July, and August.

6 (7) These events and natural disaster trends,  
7 when combined with the volatility of weather, ongo-  
8 ing demographic changes, and development in high  
9 risk areas, indicate that the negative impacts of ex-  
10 treme weather events and natural disasters have the  
11 potential to increase over time. The fact that a sig-  
12 nificant number of people and assets continue to be  
13 located in areas prone to volatile and extreme weath-  
14 er indicates that these events will continue to be ex-  
15 pensive and deadly if the United States fails to en-  
16 hance its resiliency to such events. Recent studies  
17 show that the intensity and frequency of some types  
18 of, but not all, extreme weather events will likely in-  
19 crease in the future.

20 (8) Economic savings can be achieved by con-  
21 sidering the impacts of extreme weather over the  
22 short- and long-term in the planning process. For  
23 example, a 2005 review of the Federal Emergency  
24 Management Agency's hazard mitigation programs,  
25 conducted by the National Institute of Building

1 Sciences’ Multi-Hazard Mitigation Council, found  
2 that every dollar spent on hazard mitigation yields  
3 a savings of \$4 in future losses.

4 (9) There are several efforts currently under-  
5 way at the Federal, regional, tribal, State, and local  
6 levels that have helped lay the foundation for a fed-  
7 erally coordinated effort to increase the Nation’s re-  
8 siliency to extreme weather events, such as the Hur-  
9 ricane Sandy Rebuilding Task Force, the Presi-  
10 dential Policy Directive on National Preparedness  
11 (referred to in this Act as “PPD–8”), the National  
12 Preparedness System, the whole community ap-  
13 proach led by the Department of Homeland Secu-  
14 rity, and the Silver Jackets Program by the Army  
15 Corps of Engineers. Other recent reports on this  
16 subject include the National Academies of Sciences’  
17 reports “Disaster Resilience: A National Imperative”  
18 and “Building Community Disaster Resilience  
19 through Public-Private Collaboration”.

20 (b) PURPOSE.—The purpose of this Act is to mini-  
21 mize the economic and social costs and future losses of  
22 life, property, well-being, business activity, and economic  
23 growth by making the United States more resilient to the  
24 impacts of extreme weather events over the short- and

1 long-term, thereby creating business and job growth op-  
2 portunities by—

3           (1) ensuring that the Federal Government is  
4           optimizing its use of existing resources and funding  
5           to support State and local officials, businesses, tribal  
6           nations, and the public to become more resilient, in-  
7           cluding—

8                   (A) encouraging the consideration of, and  
9                   ways to incorporate, extreme weather resilience  
10                  across Federal operations, programs, policies,  
11                  and initiatives;

12                  (B) promoting improved coordination of  
13                  existing and planned Federal extreme weather  
14                  resilience and adaptation efforts that impact ex-  
15                  treme weather resilience and ensuring their co-  
16                  ordination with, and support of, State, local, re-  
17                  gional, and tribal efforts;

18                  (C) minimizing Federal policies that may  
19                  unintentionally hinder or reduce resilience, such  
20                  as damaging wetlands or other critical green in-  
21                  frastructure, or lead Federal agencies to oper-  
22                  ate at cross purposes in achieving extreme  
23                  weather resilience; and

24                  (D) building upon existing related efforts,  
25                  such as the Hurricane Sandy Rebuilding Task

1 Force, the PPD–8, the National Preparedness  
2 System, and the whole community approach;

3 (2) communicating the latest understanding  
4 and likely short- and long-term human and economic  
5 impacts and risks of extreme weather to businesses  
6 and the public;

7 (3) supporting decisionmaking that improves  
8 resilience by providing forecasts and projections,  
9 data decision-support tools, and other information  
10 and mechanisms; and

11 (4) establishing a consistent vision and strategic  
12 plan for extreme weather resilience across the Fed-  
13 eral Government.

14 **SEC. 3. DEFINITIONS.**

15 In this Act:

16 (1) **EXTREME WEATHER.**—The term “extreme  
17 weather” includes severe and unseasonable weather,  
18 heavy precipitation, hurricanes, storm surges, torna-  
19 does, other windstorms (including derechos), extreme  
20 heat, extreme cold, and other qualifying weather  
21 events as determined by the interagency group es-  
22 tablished under section 4(a)(1).

23 (2) **RESILIENCE.**—The term “resilience” means  
24 the ability to prepare and plan for, absorb, recover



1 from, and more successfully adapt to adverse events  
2 in a timely manner.

3 **SEC. 4. EXTREME WEATHER RESILIENCE GAP AND OVER-**  
4 **LAP ANALYSIS.**

5 (a) INTERAGENCY WORKING GROUP.—

6 (1) IN GENERAL.—

7 (A) ESTABLISHMENT.—The Director of  
8 the Office of Science and Technology Policy (re-  
9 ferred to in this section as the “Director”),  
10 with input from the Department of Homeland  
11 Security, shall establish and chair an inter-  
12 agency working group with Cabinet-level rep-  
13 resentation from all relevant Federal agencies.

14 (B) DUTIES.—The working group shall—

15 (i) come together to provide a stra-  
16 tegic vision of extreme weather resilience;

17 (ii) conduct a gap and overlap anal-  
18 ysis of Federal agencies’ current and  
19 planned activities related to achieving  
20 short- and long-term resilience to extreme  
21 weather and its impacts on the Nation,  
22 such as storm surge, flooding, drought,  
23 and wildfires; and

1 (iii) develop a National Extreme  
2 Weather Resilience Plan in accordance  
3 with section 5(a).

4 (2) ADDITIONAL REPRESENTATION FROM EXEC-  
5 UTIVE OFFICE OF THE PRESIDENT.—The inter-  
6 agency working group established under paragraph  
7 (1) shall include representatives of the relevant of-  
8 fices and councils within the Executive Office of the  
9 President, including—

10 (A) the Office of Management and Budget;

11 (B) the National Security Staff;

12 (C) the Council of Economic Advisors;

13 (D) the Council on Environmental Quality;

14 and

15 (E) the Domestic Policy Council.

16 (3) CONSULTATION WITH TRIBAL, STATE, AND  
17 LOCAL REPRESENTATIVES.—

18 (A) IN GENERAL.—The Federal inter-  
19 agency working group established under para-  
20 graph (1) shall work closely with an advisory  
21 group to take into account the needs of State  
22 and local entities across all regions of the  
23 United States. The advisory group shall consist  
24 of—

1 (i) 1 representative from the National  
2 Emergency Management Association;

3 (ii) 7 representatives from States and  
4 State associations; and

5 (iii) 8 representatives from local enti-  
6 ties and associations, including representa-  
7 tion from a tribal nation and at least 1  
8 major metropolitan area.

9 (B) KEY SECTORS.—The representatives  
10 described in subparagraph (A) shall, in the ag-  
11 gregate, represent all of the key sectors set  
12 forth in subsection (b)(1).

13 (C) MEETINGS.—The Director shall meet  
14 with the representatives described in subpara-  
15 graph (A) not fewer than 9 times during the  
16 development of—

17 (i) the gap and overlap analysis under  
18 this section; and

19 (ii) the National Extreme Weather  
20 Resilience Action Plan under section 5.

21 (4) COOPERATION BY FEDERAL AGENCIES.—In  
22 carrying out the activities described in subsection  
23 (b), Federal agency representatives participating in  
24 the working group shall be forthright and shall fully

1 cooperate with the Office of Science and Technology  
2 Policy.

3 (5) DETAILEES.—Upon the request of the Di-  
4 rector, each agency or entity referred to in para-  
5 graph (1) shall provide the working group with a  
6 detailee, without reimbursement from the working  
7 group, to support the activities described in sub-  
8 section (b), section 5, and section 7(a). Such detailee  
9 shall retain the rights, status, and privileges of his  
10 or her regular employment without interruption.

11 (6) VOLUNTEER SERVICES.—Notwithstanding  
12 section 1342 of title 31, United States Code, the  
13 working group may investigate and use such vol-  
14 untary services as the working group determines to  
15 be necessary.

16 (b) GAP AND OVERLAP ANALYSIS.—In conducting  
17 the gap and overlap analysis required under subsection  
18 (a)(1), Federal agency representatives shall—

19 (1) develop a Federal Government-wide working  
20 vision for resilience to the impacts of extreme weath-  
21 er events in the short- and long-term, in accordance  
22 with the purpose set forth in section 2(b), through  
23 an effort led by the Director and the interagency  
24 working group, which includes goals and objectives  
25 for key sectors. Key sectors shall include—

- 1 (A) agriculture;
- 2 (B) forestry and natural resources man-  
3 agement;
- 4 (C) water management, including supply  
5 and treatment;
- 6 (D) energy supply and transmission;
- 7 (E) infrastructure, including natural and  
8 built forms of water and wastewater, transpor-  
9 tation, coastal infrastructure, and other land-  
10 scapes and ecosystems services;
- 11 (F) public health and healthcare delivery,  
12 including mental health and hazardous mate-  
13 rials management;
- 14 (G) communications, including wireless  
15 communications;
- 16 (H) housing and other buildings;
- 17 (I) national security;
- 18 (J) emergency preparedness;
- 19 (K) insurance; and
- 20 (L) other sectors that the Director con-  
21 siders appropriate;
- 22 (2) consider and identify the interdependencies  
23 among the key sectors when developing the vision re-  
24 ferred to in paragraph (1);

1           (3) create summaries of the existing and  
2           planned efforts and programmatic work underway or  
3           relevant to supporting State and local stakeholders  
4           in achieving greater extreme weather resilience in  
5           the short and long term for each sector identified  
6           under paragraph (1) and across the sectors, specifi-  
7           cally including summaries of—

8                   (A) individual Federal agency programs,  
9                   policies, regulations, and initiatives, and re-  
10                  search and data collection and dissemination ef-  
11                  forts;

12                  (B) areas of collaboration and coordination  
13                  across Federal agencies; and

14                  (C) areas of coordination with State and  
15                  local agencies, private entities, and regional co-  
16                  operation;

17           (4) identify specific Federal programs, statutes,  
18           regulations, policies, and initiatives which may unin-  
19           tentionally hinder resilience efforts, including an  
20           analysis of disincentives, barriers, and incompatible  
21           programs, policies, or initiatives across agencies and  
22           sectors;

23           (5) examine how the severity and frequency of  
24           extreme weather events at the local and regional

1 level may change in the future and communicate  
2 these potential risks to stakeholders;

3 (6) work together to identify and evaluate exist-  
4 ing Federal tools and data to describe, analyze, fore-  
5 cast, and model the potential impacts identified  
6 under paragraph (5) and develop recommendations  
7 to strengthen their ability to provide reliable and ac-  
8 curate forecasts at the national, regional, State, and  
9 local levels;

10 (7) identify gaps and overlaps in Federal agen-  
11 cy work, resources, and authorities that impair the  
12 ability of the United States to meet the vision for  
13 short- and long-term extreme weather resilience, by  
14 comparing the goals and objectives identified for  
15 each sector and across sectors with the summaries  
16 identified in paragraph (3), specifically identifying  
17 gaps relating to—

18 (A) individual Federal agency programs,  
19 policies, and initiatives, and research data col-  
20 lection and dissemination efforts;

21 (B) areas of collaboration and coordination  
22 across Federal agencies;

23 (C) areas of coordination with State and  
24 local agencies and private entities, and regional  
25 cooperation;

1           (8) determine potential measures to address the  
2 issues referred to in paragraph (4) and to address  
3 the gaps and overlaps referred to in paragraph (7)  
4 by—

5           (A) designating individual or multiple Fed-  
6 eral agencies to address these gaps;

7           (B) building upon existing delivery mecha-  
8 nisms;

9           (C) evaluating options for programs, poli-  
10 cies, and initiatives that may particularly ben-  
11 efit extreme weather resilience efforts, including  
12 the role of ecosystem-based approaches;

13           (D) recommending modifications to exist-  
14 ing Federal agency programs, statutes, regula-  
15 tions, policies, and initiatives to better support  
16 extreme weather resiliency;

17           (E) requesting new authorities and re-  
18 source requirements, if needed; and

19           (F) identifying existing Federal Govern-  
20 ment processes that can be built upon to ad-  
21 dress the purpose of this Act; and

22           (9) establish, with the assistance of the General  
23 Services Administration or such other Federal agen-  
24 cy as the Director may designate, a Federal advisory



1 working group to provide ongoing collective input to  
2 the process.

3 (c) WORKING GROUP.—The Federal advisory work-  
4 ing group established pursuant to subsection (b)(9) shall  
5 consist of relevant private sector, academic, State and  
6 local government, tribal nation, regional organization, vul-  
7 nerable population, and nongovernmental representatives,  
8 with representation from each sector described in para-  
9 graph (1). The Director may designate an existing Federal  
10 advisory committee under which the working group would  
11 operate independently, with the same rights and privileges  
12 held by members of the advisory committee. The members  
13 of the working group established pursuant to subsection  
14 (b)(9) may not simultaneously serve as members of the  
15 advisory committee designated pursuant to this sub-  
16 section. The activities of the working group should com-  
17 plement and not duplicate the stakeholder process con-  
18 ducted under PPD–8.

19 **SEC. 5. NATIONAL EXTREME WEATHER RESILIENCE AC-**  
20 **TION PLAN.**

21 (a) IN GENERAL.—Based on the results of the gap  
22 and overlap analysis conducted under section 4, the Direc-  
23 tor, working with the interagency working group estab-  
24 lished under such section, and considering the efforts de-  
25 scribed in section 2(a)(9), shall develop a National Ex-

1 treme Weather Resilience Action Plan (referred to in this  
2 section as the “Plan”)—

3 (1) to build upon existing Federal Government  
4 processes referred to in section 4(b)(8)(F)—

5 (A) to address the results of the gap and  
6 overlap analysis under section 4; and

7 (B) to incorporate the activities required  
8 under subsection (c);

9 (2) to best utilize existing resources and pro-  
10 grams through improved interagency coordination  
11 and collaboration;

12 (3) to improve Federal coordination with exist-  
13 ing regional entities, State and local governments,  
14 networks, and private stakeholders;

15 (4) to make data and tools accessible and un-  
16 derstandable and to help facilitate information ex-  
17 change for tribal, State, and local officials, busi-  
18 nesses, and other stakeholders in a manner that ad-  
19 dresses the needs expressed by these stakeholders;

20 (5) to facilitate public-private partnerships;

21 (6) to improve Federal agencies’ economic ana-  
22 lytical capacity to assess—

23 (A) the likelihood and potential costs of ex-  
24 treme weather impacts by region and nation-  
25 ally; and

1 (B) the relative benefits of potential resil-  
2 ience measures to multiple stakeholders;

3 (7) to provide tools to stakeholders—

4 (A) to conduct analyses similar to those  
5 described in paragraph (6); and

6 (B) to support decisionmaking;

7 (8) to support resiliency plans developed by  
8 State and local governments, regional entities, and  
9 tribal nations, to the extent possible; and

10 (9) to request further resources, if necessary, to  
11 fill in gaps to enable national resilience to extreme  
12 weather, including resilience of tribal nations, and  
13 particularly vulnerable populations, and the use of  
14 green infrastructure and ecosystem-based solutions.

15 (b) COOPERATION.—Any Federal agency representa-  
16 tive contacted by the Director, in the course of developing  
17 the Plan, shall be forthright and shall fully cooperate with  
18 the Office of Science and Technology Policy, as requested.

19 (c) REQUIRED ACTIVITIES.—

20 (1) RESPONSIBILITIES.—The Plan shall include  
21 specific Federal agency and interagency responsibil-  
22 ities, identify potential new authorities, if necessary,  
23 and employ risk analysis—

24 (A) to address the gaps identified through  
25 the gap and overlap analysis; and

1 (B) to improve Federal interagency coordi-  
2 nation and Federal coordination with State, re-  
3 gional, local, and tribal partners.

4 (2) AVAILABLE FUNDING OPPORTUNITIES.—

5 (A) IDENTIFICATION.—The Director shall  
6 identify—

7 (i) existing Federal grant programs  
8 and other funding opportunities available  
9 to support State and local government ex-  
10 treme weather resiliency planning efforts;

11 or

12 (ii) projects to advance extreme  
13 weather resiliency.

14 (B) PUBLICATION.—The Director shall  
15 publish the information described in subpara-  
16 graph (A) in the information portal identified in  
17 paragraph (3).

18 (C) RESPONSIBILITIES.—Each partici-  
19 pating agency shall—

20 (i) consider incorporating criteria or  
21 guidance into existing relevant Federal  
22 grant and other funding opportunities to  
23 better support State and local efforts to  
24 improve extreme weather resiliency; and

1                   (ii) evaluate and modify existing Fed-  
2                   eral funding opportunities, as appropriate,  
3                   to maximize the return on investment for  
4                   pre-disaster mitigation activities.

5                   (3) INFORMATION PORTAL.—

6                   (A) IN GENERAL.—The Plan shall—

7                   (i) include the establishment of an on-  
8                   line, publicly available information portal  
9                   for use by Federal agencies, their partners,  
10                  and stakeholders, that directs users to key  
11                  data and tools to inform resilience-enhanc-  
12                  ing efforts; and

13                  (ii) build off and be complementary to  
14                  existing Federal efforts, including  
15                  data.gov.

16                  (B) MAINTENANCE.—The coordinating en-  
17                  tity identified under paragraph (3) shall be re-  
18                  sponsible for establishing and maintaining the  
19                  information portal.

20                  (C) INFORMATION SUPPLIED.—Informa-  
21                  tion shall be supplied as requested by Federal  
22                  agencies, their partners, academia, and private  
23                  stakeholders, in coordination with regional,  
24                  State, local, and tribal agencies.

1 (D) CONTENTS.—The information portal  
2 established under this paragraph shall direct  
3 users to coordinated and systematic information  
4 on—

- 5 (i) best or model practices;
- 6 (ii) data;
- 7 (iii) case studies;
- 8 (iv) indicators;
- 9 (v) scientific reports;
- 10 (vi) resilience and vulnerability assess-  
11 ments;
- 12 (vii) guidance documents and design  
13 standards;
- 14 (viii) incentives;
- 15 (ix) education and communication ini-  
16 tiatives;
- 17 (x) decision support tools, including  
18 risk management, short- and long-term  
19 economic analysis, and predictive models;
- 20 (xi) planning tools;
- 21 (xii) public and private sources of as-  
22 sistance; and
- 23 (xiii) such other information as the  
24 coordinating entity considers appropriate.

1           (4) COORDINATING ENTITY.—The Plan shall  
2 include the identification of a Federal agency, inter-  
3 agency council, office, or program, which partici-  
4 pated in the gap and overlap analysis and Plan de-  
5 velopment. Such entity shall—

6           (A) coordinate the implementation of the  
7 Plan;

8           (B) track the progress of such implementa-  
9 tion; and

10          (C) transfer responsibilities to another  
11 Federal agency, interagency council, office, or  
12 program to serve as the coordinating entity if  
13 the entities participating in the working group  
14 agree that circumstances necessitate such a  
15 change.

16          (5) RESILIENCY OFFICER.—Each Federal agen-  
17 cy that assists with the gap and overlap analysis re-  
18 quired under section 4 shall designate, from among  
19 the agency’s senior management, a Senior Resiliency  
20 Officer, who shall—

21          (A) facilitate the implementation of the  
22 agency’s responsibilities under paragraph (1);

23          (B) monitor the agency’s progress and per-  
24 formance in implementing its responsibilities  
25 under paragraph (1);

1 (C) report the agency's progress and per-  
2 formance to the head of the agency and the co-  
3 ordinating entity identified under paragraph  
4 (3); and

5 (D) serve as the agency lead in ongoing co-  
6 ordination efforts within the Federal agency  
7 and between the coordinating entity, other Fed-  
8 eral agencies, public and private partners, and  
9 stakeholders.

10 (d) PUBLICATION.—

11 (1) DRAFT PLAN.—Not later than 420 days  
12 after the date of the enactment of this Act, the Di-  
13 rector shall publish a draft of the Plan developed  
14 under this section in the Federal Register.

15 (2) PUBLIC COMMENT PERIOD.—During the  
16 60-day period beginning on the date on which the  
17 draft Plan is published under paragraph (1), the Di-  
18 rector shall—

19 (A) solicit comment from the public; and

20 (B) conduct a briefing for Congress to ex-  
21 plain the provisions contained in the draft Plan.

22 (3) FINAL PLAN.—Not later than 120 days  
23 after the end of the public comment period described  
24 in paragraph (2), the Director shall publish the final  
25 Plan in the Federal Register.



1 (e) IMPLEMENTATION.—Not later than 630 days  
2 after the date of the enactment of this Act, the Director  
3 shall begin implementing the final Plan published under  
4 subsection (d)(3).

5 (f) FINANCING.—To the extent possible—

6 (1) Federal funding should be used to leverage  
7 private sector financing for resilience building activi-  
8 ties, consistent with the implementation of the Plan,  
9 through public-private partnerships; and

10 (2) Federal grant and loan programs of the  
11 Federal agencies participating in the interagency  
12 working group for this effort shall consider extreme  
13 weather resilience as a key factor when awarding  
14 funding, including the projected extreme weather  
15 risk to a project over the course of its expected life.

16 (g) TRIBAL, STATE, AND LOCAL RESPONSIBIL-  
17 ITIES.—The Plan may not place new unfunded require-  
18 ments on State or local governments.

19 **SEC. 6. AUTHORIZATION OF OTHER ACTIVITIES.**

20 (a) IN GENERAL.—Federal agencies are authorized  
21 to develop tools and disseminate information to improve  
22 extreme weather resilience in the key sectors set forth in  
23 section 4(b)(1).

24 (b) OFFICE OF SCIENCE AND TECHNOLOGY POL-  
25 ICY.—In conducting the gap and overlap analysis under

1 section 4 and developing the National Extreme Weather  
2 Resilience Action Plan under section 5, the Director may  
3 carry out additional activities in support of the purpose  
4 of this Act.

5 **SEC. 7. REPORTS.**

6 (a) GOVERNMENT ACCOUNTABILITY OFFICE RE-  
7 PORT.—Not later than 1 year after the date of the enact-  
8 ment of this Act, the Comptroller General of the United  
9 States shall submit a report to Congress that—

10 (1) identifies existing Federal Government pro-  
11 grams and policies related to disaster relief, re-  
12 sponse, and recovery that impede improving short-  
13 and long-term extreme weather resilience; and

14 (2) make recommendations for how the pro-  
15 grams or policies could be structured differently to  
16 better support short- and long-term resilience after  
17 an extreme weather event.

18 (b) INITIAL REPORT.—Not later than 2 years after  
19 the date of the enactment of this Act, the Director shall  
20 submit a report to Congress that contains—

21 (1) the results of the gap and overlap analysis;

22 (2) the final National Extreme Weather Resilience  
23 Action Plan;

24 (3) an update on the implementation of the  
25 plan; and

1           (4) available resources for the sustained imple-  
2           mentation of the plan.

3           (c) TRIENNIAL REPORTS.—Not later than 2 years  
4 after the submission of the report under subsection (a),  
5 and every 3 years thereafter, the coordinating entity iden-  
6 tified under section 5(c)(3), in cooperation with the inter-  
7 agency working group established under section 4(a), shall  
8 submit a report to Congress that—

9           (1) contains an update of the National Extreme  
10          Weather Resilience Action Plan;

11          (2) describes the progress of the plan’s imple-  
12          mentation;

13          (3) improves upon the original analysis as more  
14          information and understanding about extreme  
15          weather events becomes available;

16          (4) establishes criteria for prioritization of ac-  
17          tivities described in the plan;

18          (5) reconsiders and makes changes to the plan  
19          based on the availability of new information de-  
20          scribed in paragraph (3); and

21          (6) identifies cost-effective changes to laws,  
22          policies, or regulations that could advance the pur-  
23          pose of this Act.

24          (d) FEMA REPORTS ON FUNDING.—

25          (1) FINDINGS.—Congress finds the following:

1 (A) The Federal Emergency Management  
2 Agency grant programs are a key vehicle that  
3 exists to fund activities related to resiliency  
4 planning and projects.

5 (B) In order to ensure that the United  
6 States becomes more resilient to extreme weath-  
7 er, it is important to ensure that sufficient re-  
8 sources are available to support resiliency ac-  
9 tivities

10 (2) REPORTS.—At the end of each fiscal year,  
11 the Director of the Federal Emergency Management  
12 Agency (FEMA) shall submit a report to Congress  
13 that—

14 (A) identifies the amounts that were made  
15 available to the FEMA during such fiscal year  
16 for State and local entities to use for activities  
17 that support the purposes of this Act;

18 (B) identifies the amounts disbursed by  
19 FEMA to State and local entities during such  
20 fiscal year for such activities;

21 (C) describes the resources requested by  
22 State and local entities for activities that sup-  
23 port the purposes of this Act; and

24 (D) identifies the difference between the  
25 amounts disbursed by FEMA and the amounts

1 requested from FEMA by State and local enti-  
2 ties.

3 **SEC. 8. AUTHORIZATION OF APPROPRIATIONS.**

4 (a) AMOUNTS FOR ANALYSIS, PLAN DEVELOPMENT  
5 AND IMPLEMENTATION, AND REPORTS.—There are au-  
6 thorized to be appropriated such sums as may be nec-  
7 essary for fiscal years 2014 through 2016—

8 (1) to conduct the gap and overlap analysis re-  
9 quired under section 4;

10 (2) to conduct the activities required under sec-  
11 tion 5, including the creation and maintenance of  
12 the information portal; and

13 (3) to prepare the reports to Congress required  
14 under subsections (b) and (c) of section 7.

15 (b) AVAILABILITY OF FUNDS.—Amounts appro-  
16 priated pursuant to subsection (a) shall remain available  
17 for the purposes set forth in such subsection through De-  
18 cember 31, 2016.

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