

## Calendar No. 615

117TH CONGRESS  
2D SESSION**S. 3531****[Report No. 117-237]**

To require the Federal Government to produce a national climate adaptation and resilience strategy, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

JANUARY 20, 2022

Mr. COONS (for himself, Ms. MURKOWSKI, Ms. COLLINS, Ms. ROSEN, Mr. CASSIDY, Mr. GRAHAM, Mr. BENNET, Mrs. SHAHEEN, Mr. KAINE, and Mr. PADILLA) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

DECEMBER 12, 2022

Reported by Mr. PETERS, with an amendment

[Strike out all after the enacting clause and insert the part printed in *italie*]**A BILL**

To require the Federal Government to produce a national climate adaptation and resilience strategy, 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 Climate Ad-  
3 aptation and Resilience Strategy Act”.

4 **SEC. 2. DEFINITIONS.**

5       In this Act:

6           (1) **ADAPTATION.**—The term “adaptation”  
7 means an adjustment in a natural or human system  
8 in response to a new or changing environmental con-  
9 dition, including such an adjustment associated with  
10 climate change, that exploits beneficial opportunities  
11 or moderates negative effects.

12           (2) **ADAPTIVE CAPACITY.**—The term “adaptive  
13 capacity” means the ability of a system—

14                   (A) to adjust to climate vulnerabilities to  
15 moderate potential damage or harm;

16                   (B) to take advantage of new, and poten-  
17 tially beneficial, opportunities; or

18                   (C) to cope with change.

19           (3) **CASCADING CLIMATE HAZARDS.**—The term  
20 “cascading climate hazards” means a series of suc-  
21 cessive environmental hazards triggered by an initial  
22 hazard that is driven or exacerbated by climate  
23 change, such that the impacts to vulnerable systems  
24 are amplified.

25           (4) **CHIEF RESILIENCE OFFICER.**—The term  
26 “Chief Resilience Officer” means the Chief Resil-

ience Officer of the United States appointed by the  
President under section 3(a)(1).

~~(5) CLIMATE CHANGE.~~—The term “climate  
change” means changes in average atmospheric and  
oceanic conditions that persist over multiple decades  
or longer and are natural or anthropogenic in origin,  
including—

(A) both increases and decreases in tem-  
perature;

(B) shifts in precipitation;

(C) shifts in ecoregion or biome geography  
and phenology, as applicable;

(D) changing risk from certain types of  
rapid-onset climate hazards and slow-onset cli-  
mate hazards; and

(E) changes to other features of the cli-  
mate system.

~~(6) CLIMATE INFORMATION.~~—The term “cli-  
mate information” means information, data, or  
products that enhance knowledge and understanding  
of climate science, risk, conditions, vulnerability, or  
impact, including—

(A) climate data products;

(B) historic or future climate projections  
or scenarios;

1           (C) climate risk or vulnerability informa-  
2           tion;

3           (D) data or information related to climate  
4           adaptation and mitigation; and

5           (E) other best available climate science.

6           (7) COMPOUND CLIMATE HAZARDS.—The term  
7           “compound climate hazards” means 2 or more envi-  
8           ronmental hazards driven or exacerbated by climate  
9           change that occur simultaneously or successively,  
10          such that the impacts to vulnerable systems are am-  
11          plified.

12          (8) COUNCIL.—The term “Council” means the  
13          Partners Council on Climate Adaptation and Resil-  
14          ience established by section 4(a).

15          (9) FREELY ASSOCIATED STATE.—The term  
16          “Freely Associated State” means—

17               (A) the Commonwealth of the Northern  
18               Mariana Islands;

19               (B) the Federated States of Micronesia;

20               (C) the Republic of the Marshall Islands;

21               (D) the Republic of Palau; and

22               (E) the United States Virgin Islands.

23          (10) FRONTLINE COMMUNITIES.—The term  
24          “frontline communities” means human communities  
25          that—

1           (A) are highly vulnerable to climate change  
2           or exposed to climate risk;

3           (B) experience the earliest, most adverse  
4           impacts of climate change; and

5           (C) may have a reduced ability to adapt to  
6           climate change due to a lack of resources, polit-  
7           ical power, or adaptive capacity.

8           (11) IMPLEMENTATION PLAN.—The term “Im-  
9           plementation Plan” means the Implementation Plan  
10          jointly developed by the Chief Resilience Officer and  
11          the Working Groups under section 6(b).

12          (12) INDIAN TRIBE.—The term “Indian Tribe”  
13          has the meaning given the term in section 4 of the  
14          Indian Self-Determination and Education Assistance  
15          Act (25 U.S.C. 5304).

16          (13) NATIONAL CLIMATE ASSESSMENT.—The  
17          term “National Climate Assessment” means the as-  
18          sessment delivered to Congress and the President  
19          pursuant to section 106 of the Global Change Re-  
20          search Act of 1990 (15 U.S.C. 2936).

21          (14) NATURAL INFRASTRUCTURE.—The term  
22          “natural infrastructure” means infrastructure  
23          that—

24                (A) uses, restores, or emulates natural eco-  
25                logical, geological, or physical processes; and

(B)(i) is created through the action of natural physical, geological, biological, and chemical processes over time;

(ii) is created by human design, engineering, and construction to emulate or act in concert with natural processes; or

(iii) involves the use of plants, soils, and other natural features, including through the creation, restoration, or preservation of natural areas using materials appropriate to the region to manage stormwater and runoff, to attenuate flooding and storm surges, to manage erosion and saltwater intrusion, and for other related purposes.

(15) ~~NON-FEDERAL PARTNER.~~—The term “non-Federal partner” means a member of a unit of State, local, or territorial government, the government of an Indian Tribe, the government of a Freely Associated State, a private sector entity, or another individual or organization not affiliated with the Federal Government.

(16) ~~OPERATIONS REPORT.~~—The term “Operations Report” means the National Climate Adaptation and Resilience Operations Report jointly devel-

oped by the Chief Resilience Officer and the Working Groups under section 5.

(17) ~~RAPID-ONSET CLIMATE HAZARD.~~—The term “rapid-onset climate hazard” means an abrupt environmental hazard driven or exacerbated by climate change that occurs quickly or unexpectedly and triggers impacts that materialize rapidly and interact with conditions of exposure and vulnerability to result in a disaster.

(18) ~~REPRESENTED AGENCY.~~—The term “represented agency” means each Federal agency from which the Chief Resilience Officer appoints a member to a Working Group under section 3(b)(4)(B)(ii).

(19) ~~RESILIENCE.~~—The term “resilience” means the capacity of a social, physical, economic, or environmental system to cope with an environmental hazard event, trend, or disturbance that is driven or exacerbated by climate change by responding or reorganizing in ways that maintain, to the greatest extent practicable, the essential function, identity, and structure of the system and ensure that, in the event of a rapid-onset climate hazard or a slow-onset climate hazard, basic human needs are met, while also

maintaining the capacity for adaptation and transformation.

~~(20) RISK.—~~

~~(A) IN GENERAL.—~~The term “risk” means the potential for consequences in a situation in which—

~~(i) something of value is at stake; and~~

~~(ii) the outcome is uncertain.~~

~~(B) INCLUSION.—~~The term “risk” includes the potential for consequences described in subparagraph (A) that is evaluated as the product obtained by multiplying—

~~(i) the probability of a hazard occurring; by~~

~~(ii) the consequence that would result if the hazard occurred.~~

~~(21) SLOW-ONSET CLIMATE HAZARD.—~~

~~(A) IN GENERAL.—~~The term “slow-onset climate hazard” means an environmental hazard driven or exacerbated by climate change that evolves gradually through time due to incremental change or because of an increasing frequency or intensity of recurring climate impacts.



(B) INCLUSIONS.—The term “slow-onset climate hazard” includes hazards such as—

(i) sea level rise;

(ii) desertification;

(iii) biodiversity loss or the alteration of or shift in habitat range of individual species or entire biomes;

(iv) increasing temperatures;

(v) ocean acidification;

(vi) saltwater intrusion;

(vii) soil salinization;

(viii) drought and water scarcity;

(ix) reduced snow pack;

(x) sea ice retreat;

(xi) glacial ice treat;

(xii) permafrost thaw; and

(xiii) coastal and river bank erosion.

(22) STRATEGY.—The term “Strategy” means the National Climate Adaptation and Resilience Strategy required to be developed jointly by the Chief Resilience Officer and the Working Groups under section 6(a).

(23) VULNERABILITY.—The term “vulnerability” means the propensity or predisposition of a human individual or community or physical, biologi-

eat, or socioeconomic system to be susceptible to and adversely affected by the impacts of climate change.

~~(24)~~ WORKING GROUP.—The term “Working Group” means a National Climate Adaptation and Resilience Working Group established by the Chief Resilience Officer under section 3(b).

**SEC. 3. CHIEF RESILIENCE OFFICER AND NATIONAL CLIMATE ADAPTATION AND RESILIENCE WORKING GROUPS.**

~~(a)~~ CHIEF RESILIENCE OFFICER.—

~~(1)~~ IN GENERAL.—Not later than 120 days after the date of enactment of this Act, the President shall identify or appoint a Chief Resilience Officer of the United States to serve in the Executive Office of the President.

~~(2)~~ DUTIES.—The Chief Resilience Officer shall—

~~(A)~~ serve the President by directing a whole-of-government effort to build resilience to climate change vulnerabilities in the United States (as described in the National Climate Assessment or other relevant analyses identified by the Chief Resilience Officer) in collaboration with existing Federal initiatives and interagency adaptation efforts; and

1           ~~(B) establish Working Groups in accord-~~  
 2           ~~ance with subsection (b) to facilitate inter-~~  
 3           ~~agency coordination with respect to climate re-~~  
 4           ~~silience and adaptation.~~

5       ~~(b) WORKING GROUPS.—~~

6           ~~(1) ESTABLISHMENT.—~~

7           ~~(A) IN GENERAL.—Subject to subpara-~~  
 8           ~~graph (B), the Chief Resilience Officer shall es-~~  
 9           ~~tablish the minimum number of National Cli-~~  
 10          ~~mate Adaptation and Resilience Working~~  
 11          ~~Groups that is necessary to carry out the duties~~  
 12          ~~and purposes described in paragraph (3).~~

13          ~~(B) LIMITATION.—The Chief Resilience~~  
 14          ~~Officer shall not establish more than 5 Working~~  
 15          ~~Groups.~~

16          ~~(2) FOCUS.—Each Working Group shall focus~~  
 17          ~~on a topic or series of related topics with respect to~~  
 18          ~~climate adaptation and resilience, as determined by~~  
 19          ~~the Chief Resilience Officer.~~

20          ~~(3) DUTIES AND PURPOSE.—Each Working~~  
 21          ~~Group shall, under the leadership of the Chief Resil-~~  
 22          ~~ience Officer, with respect to the focus of the Work-~~  
 23          ~~ing Group—~~

24               ~~(A) coordinate a whole-of-government plan~~  
 25               ~~to build resilience to the applicable climate~~

change vulnerabilities described in the National Climate Assessment or other relevant analyses identified by the Chief Resilience Officer; and

(B) assist in the development of the applicable portions of—

(i) the Operations Report;

(ii) the Strategy; and

(iii) the Implementation Plan.

(4) STRUCTURE.—

(A) CHAIRPERSON.—

(i) IN GENERAL.—The Chief Resilience Officer shall serve as chairperson of each Working Group.

(ii) TEMPORARY CHAIRPERSON.—The President or the Chief Resilience Officer may designate another staff member or member of a Working Group to act temporarily as the chairperson of that Working Group in the absence of the Chief Resilience Officer.

(B) MEMBERSHIP.—In establishing a Working Group, the Chief Resilience Officer shall—

(i) identify each Federal agency with operations or organizational units that are

relevant to the focus of the Working Group; and

(ii) appoint 1 member of each Federal agency identified under clause (i) to represent that Federal agency on the Working Group.

(C) REQUIREMENT.—In appointing a member of a Working Group under subparagraph (B)(ii), the Chief Resilience Officer shall, to the maximum extent practicable, appoint the head of the portion of the represented agency that is most relevant to the focus of the Working Group.

(D) DUTIES OF MEMBERS.—Each member of a Working Group—

(i) shall attend meetings of the Working Group; and

(ii) work to support the duties of the Working Group.

(5) MEETINGS.—

(A) IN GENERAL.—Each Working Group shall meet not less frequently than once every 180 days.

1           ~~(B) QUORUM.—~~<sup>3/4</sup> of the members of a  
2           Working Group shall constitute a quorum of  
3           the Working Group.

4           ~~(C) REMOTE PARTICIPATION.—~~A member  
5           of a Working Group may participate in a meet-  
6           ing of that Working Group through teleconfer-  
7           ence or similar means.

8           ~~(6) SUPPORT PERSONNEL.—~~

9           ~~(A) EXECUTIVE SECRETARY.—~~

10           ~~(i) IN GENERAL.—~~The Chief Resil-  
11           ience Officer shall appoint a permanent  
12           employee of a represented agency to serve  
13           as Executive Secretary of the Working  
14           Groups.

15           ~~(ii) EMPLOYMENT.—~~The employee ap-  
16           pointed as Executive Secretary under  
17           clause (i) shall remain an employee of the  
18           agency, department, or program from  
19           which the employee was appointed.

20           ~~(B) NECESSARY ASSISTANCE.—~~To carry  
21           out the purposes of each Working Group, as de-  
22           scribed in paragraph ~~(3)~~, each represented  
23           agency with a member on the Working Group  
24           shall furnish necessary assistance to that Work-  
25           ing Group, such as—

(i) the detail of employees to the Working Group to perform such functions, consistent with the purposes of the Working Group described in paragraph (3), as the Chief Resilience Officer may assign, including support staff for the Executive Secretary appointed under subparagraph (A)(i); and

(ii) on request of the Chief Resilience Officer, undertaking special studies for the Working Group as may be appropriate to carry out the functions of the Working Group.

**SEC. 4. PARTNERS COUNCIL ON CLIMATE ADAPTATION  
AND RESILIENCE.**

(a) **ESTABLISHMENT.**—There is established a council, to be known as the “Partners Council on Climate Adaptation and Resilience”.

(b) **MISSION AND FUNCTION.**—The Council shall work to improve the climate adaptation and resilience operations of the Federal Government by providing recommendations through the Chief Resilience Officer, including those recommendations contained in the report required under subsection (c), that identify how the Federal Government can better support non-Federal partners with

1 equitable resources, technical assistance, improved poli-  
 2 cies, and other assistance to help frontline communities  
 3 build resilience to climate change.

4 (c) REPORT.—Not later than 16 months after the  
 5 date of enactment of this Act, and every 3 years there-  
 6 after, the Council, acting through the Chief Resilience Of-  
 7 ficer, shall submit to the President and the Working  
 8 Groups a report that includes—

9 (1) an analysis of the deficiencies or gaps in the  
 10 climate resilience operations of the Federal Govern-  
 11 ment that reduce or fail to increase the capacity of  
 12 non-Federal partners to adapt to climate change;

13 (2) an identification of the resources, including  
 14 Federal funding, necessary for non-Federal partners  
 15 to adequately adapt to climate change; and

16 (3) recommendations with respect to how the  
 17 Federal Government could better support efforts by  
 18 non-Federal partners to expeditiously address  
 19 vulnerabilities associated with climate change and  
 20 build climate resilience.

21 (d) CHAIR AND VICE-CHAIR.—The Chief Resilience  
 22 Officer shall serve as chairperson of the Council and shall  
 23 appoint a vice-chairperson from among the members of  
 24 the Council appointed pursuant to subsection (c).

25 (e) MEMBERSHIP.—



1           (1) IN GENERAL.—In addition to the Chief Re-  
 2           silience Officer, the Council shall consist of 20 non-  
 3           Federal partner members appointed by the Chief Re-  
 4           silience Officer.

5           (2) APPOINTMENT.—

6           (A) IN GENERAL.—The Chief Resilience  
 7           Officer shall appoint members of the Council  
 8           who can support the Working Groups by articu-  
 9           lating how the Federal Government can better  
 10          support State, local, and territorial govern-  
 11          ments, the governments of Indian Tribes, the  
 12          governments of Freely Associated States, non-  
 13          profit organizations, or private sector entities to  
 14          build resilience to climate change.

15          (B) REQUIREMENTS.—In appointing mem-  
 16          bers of the Council, the Chief Resilience Officer  
 17          shall appoint—

18               (i) 12 members who are employees of  
 19               State, local, or territorial governments, the  
 20               governments of Indian Tribes, or the gov-  
 21               ernments of Freely Associated States, of  
 22               which—

23                       (I) not fewer than 2 shall be em-  
 24                       ployees of a State government;

1                   (II) not fewer than 2 shall be  
2                   employees of a unit of local govern-  
3                   ment;

4                   (III) not fewer than 2 shall be  
5                   employees of the government of an In-  
6                   dian Tribe; and

7                   (IV) not fewer than 2 shall be  
8                   employees of a territorial government  
9                   or the government of a Freely Associ-  
10                  ated State; and

11                  (ii) 8 members who represent non-  
12                  governmental organizations and the private  
13                  sector, of which—

14                   (I) 3 shall represent nongovern-  
15                   mental organizations;

16                   (II) 3 shall represent the private  
17                   sector; and

18                   (III) 2 shall represent academic  
19                   institutions.

20                  (C) SELECTION.—To the maximum extent  
21                  practicable, the Chief Resilience Officer shall  
22                  seek to select members of the Council who—

23                   (i) possess firsthand, lived experience  
24                   of climate vulnerability in the United  
25                   States, including direct experience working

with, or as members of, frontline communities; and

(ii) represent a diversity of—

(I) perspectives;

(II) demographics;

(III) geographies;

(IV) political affiliations; and

(V) institution sizes, including

representatives of both small and

large units of government and busi-

nesses.

(D) TERM.—Members appointed to the Council shall serve a single term of not more than 3 years, except that—

(i) of the initial members appointed to the Council, the Chief Resilience Officer shall appoint—

(I)  $\frac{1}{2}$  of the members to serve

for a term of 18 months; and

(II)  $\frac{1}{2}$  of the members to serve

a term of 3 years; and

(ii) the Chief Resilience Officer may extend the term of any member of the Council by a period of not more than 1 year on a one-time basis, if the Chief Re-

silience Officer determines it necessary to support the work of the Council.

~~(E)~~ VACANCIES.—

(i) IN GENERAL.—A vacancy in the Council shall be filled in the same manner in which the original selection was made.

(ii) APPOINTMENT OF NEW MEMBERS.—After the expiration of the term for which a member of the Council is appointed, the member may continue to serve until a successor is appointed.

~~(f)~~ MEETINGS.—

(1) IN GENERAL.—The Council shall meet not less frequently than once every 180 days.

(2) QUORUM.— $\frac{3}{4}$  of the members of the Council shall constitute a quorum of the Council.

(3) REMOTE PARTICIPATION.—A member of the Council may participate in a meeting of the Council through teleconference or similar means.

~~(g)~~ APPLICABILITY OF FACA.—Section 14 of the Federal Advisory Committee Act (5 U.S.C. App.) shall not apply to the Council.

1 **SEC. 5. NATIONAL CLIMATE ADAPTATION AND RESILIENCE**  
2 **OPERATIONS REPORT.**

3 Not later than 16 months after the date of enactment  
4 of this Act, and every 3 years thereafter, the Chief Resil-  
5 ience Officer and the Working Groups shall jointly submit  
6 to the President and Congress a National Climate Adapta-  
7 tion and Resilience Operations Report that includes—

8 (1) a summary of the existing climate resilience  
9 operations of each represented agency that in-  
10 cludes—

11 (A) the roles and responsibilities of each  
12 represented agency in building national resil-  
13 ience to the climate vulnerabilities described in  
14 the National Climate Assessment or other anal-  
15 yses relevant to each represented agency;

16 (B) the major findings and conclusions  
17 from climate adaptation plans or risk or vulner-  
18 ability assessments prepared by each rep-  
19 resented agency;

20 (C) the mechanisms by which each rep-  
21 resented agency supports the resilience efforts  
22 of non-Federal partners, such as by providing  
23 funding, resources, and technical assistance;  
24 and

1           ~~(D)~~ an assessment of how each represented  
 2           agency is working to ensure equitable adapta-  
 3           tion outcomes; and

4           ~~(2)~~ a cross-agency analysis of the resilience op-  
 5           erations identified under paragraph ~~(1)~~ that—

6           ~~(A)~~ identifies—

7                   (i) the challenges, barriers, or dis-  
 8                   incentives for the Federal Government to  
 9                   build resilience to climate change in the  
 10                  United States;

11                  (ii) the inconsistencies in goals, prior-  
 12                  ities, or strategies underlying climate resil-  
 13                  ience operations and policy across rep-  
 14                  resented agencies that may inhibit effective  
 15                  interagency coordination to support na-  
 16                  tional climate resilience, including—

17                           (I) the areas of necessary dif-  
 18                           ferences in those goals, priorities, or  
 19                           strategies; and

20                           (II) the justifications for those  
 21                           inconsistencies;

22                           (iii) areas of overlap or redundant use  
 23                           of resources between or among represented  
 24                           agencies, including recommendations to

1 eliminate any unnecessary or unintentional  
2 redundancy;

3 (iv) gaps or deficiencies in resilience  
4 operations and policy that need to be ad-  
5 dressed in the context of the Strategy;

6 (v) opportunities for greater collabora-  
7 tion between or among represented agen-  
8 cies to improve Federal Government resil-  
9 ience operations and policy; and

10 (vi) opportunities for greater collabo-  
11 ration between the Federal Government  
12 and non-Federal partners to build local-  
13 level adaptive capacity and resilience; and

14 (B) includes a review and summary of all  
15 available Federal funding from represented  
16 agencies that is specifically allocated for climate  
17 adaptation activities to be undertaken by non-  
18 Federal partners; including—

19 (i) a summary of Federal funding  
20 available in appropriations accounts and  
21 subaccounts;

22 (ii) disparities between the supply and  
23 demand for adaptation funding available to  
24 non-Federal partners; and

1                   (iii) existing mechanisms to ensure  
 2                   Federal funding allocations are being di-  
 3                   rected to frontline communities with the  
 4                   greatest level of vulnerability.

5 **SEC. 6. NATIONAL CLIMATE ADAPTATION AND RESILIENCE**  
 6 **STRATEGY.**

7       ~~(a) STRATEGY.—~~

8               ~~(1) IN GENERAL.—~~Not later than 2 years after  
 9       the date of enactment of this Act, the Chief Resil-  
 10       ience Officer and the Working Groups shall jointly  
 11       submit to the President and Congress a National  
 12       Climate Adaptation and Resilience Strategy.

13              ~~(2) UPDATES.—~~Not later than the date that is  
 14       3 years after the date on which the Chief Resilience  
 15       Officer and the Working Groups jointly submit the  
 16       Strategy to the President and Congress under para-  
 17       graph (1), and every 3 years thereafter, the Chief  
 18       Resilience Officer and the Working Groups shall  
 19       jointly submit an updated version of the Strategy to  
 20       the President and Congress to account for—

21                   ~~(A)~~ new science related to climate change;  
 22                   resilience; and adaptation;

23                   ~~(B)~~ relevant changes in Federal Govern-  
 24                   ment structure, congressional authorities, or ap-  
 25                   propriations; and



1           (C) any other necessary improvements or  
2           changes identified by the Chief Resilience Offi-  
3           cer.

4           (3) PURPOSE AND SCOPE.—The Strategy shall  
5           describe strategies for the Federal Government, in  
6           partnership with non-Federal partners, to address  
7           the vulnerabilities of the United States to climate  
8           change described in the National Climate Assess-  
9           ment or other relevant analyses identified by the  
10          Chief Resilience Officer to ensure that—

11           (A) the United States has an overarching  
12           strategic vision to respond to climate change  
13           that—

14                   (i) identifies national climate resil-  
15                   ience goals and guides national climate ad-  
16                   aptation efforts;

17                   (ii) facilitates the incorporation of the  
18                   climate resilience goals identified under  
19                   clause (i) into relevant national programs;  
20                   operations, and strategies;

21                   (iii) develops proactive, long-term, sce-  
22                   nario-based strategies to plan for and re-  
23                   spond to current and future climate im-  
24                   pacts to human communities, natural re-

1 sources and public land, and infrastructure  
2 and other physical assets;

3 (iv) emphasizes forward-thinking ad-  
4 aptation strategies that seek to overcome  
5 repeated climate impacts to vulnerable sys-  
6 tems and communities;

7 (v) prioritizes climate resilience efforts  
8 to support the most vulnerable human  
9 communities and the most urgent national  
10 resilience challenges, as determined by the  
11 Chief Resilience Officer in consultation  
12 with the Working Groups;

13 (vi) avoids unnecessary redundancies  
14 and inefficiencies in the national planning  
15 for and response to climate change; and

16 (vii) recognizes the vulnerability of  
17 natural systems to climate change and un-  
18 derscores the importance of promoting eco-  
19 system resilience to preserve the intrinsic  
20 value of nature and support ecosystem  
21 services relied on by human beings;

22 (B) Federal investments in Federal and  
23 non-Federal infrastructure and assets promote  
24 climate resilience to the maximum extent prac-  
25 ticable; and

1           (C) the adaptive capacity and resilience of  
 2           State, local, and territorial governments, gov-  
 3           ernments of Indian Tribes, and governments of  
 4           Freely Associated States are maximized to the  
 5           maximum extent practicable.

6           (4) COUNCIL RECOMMENDATIONS.—In devel-  
 7           oping the Strategy, the Chief Resilience Officer and  
 8           Working Groups shall consider the recommendations  
 9           of the Council.

10          (5) INCLUSIONS.—In addition to the over-  
 11          arching strategies developed in accordance with  
 12          paragraph (3), the Strategy shall include the fol-  
 13          lowing:

14               (A) DIRECT FEDERAL GOVERNMENT RE-  
 15               SPONSE TO CLIMATE CHANGE.—

16                   (i) Strategies to address the limita-  
 17                   tions, redundancies, and opportunities for  
 18                   improved resilience operations of the Fed-  
 19                   eral Government that are identified in the  
 20                   Operations Report.

21                   (ii) Strategies to better prepare the  
 22                   United States for the adverse impacts ex-  
 23                   perienced or anticipated to be experienced  
 24                   as a result of—

25                               (I) rapid-onset climate hazards;

- 1 (II) slow-onset climate hazards;
- 2 (III) compound climate hazards;
- 3 and
- 4 (IV) cascading climate hazards.

5 (iii) 1 or more strategies to educate,  
 6 engage, or develop the skills of the work-  
 7 force of the represented agencies with re-  
 8 spect to topics related to climate change  
 9 vulnerability and resilience to promote ef-  
 10 fective Federal resilience operations.

11 (iv) An identification of opportunities  
 12 and appropriate circumstances for rep-  
 13 resented agencies to better utilize natural  
 14 infrastructure as an adaptation strategy.

15 (B) SUPPORT OF NON-FEDERAL PART-  
 16 NERS' RESPONSE TO CLIMATE CHANGE.—

17 (i) 1 or more strategies for rep-  
 18 resented agencies to better collaborate and  
 19 work directly with non-Federal partners to  
 20 increase the resilience and adaptive capae-  
 21 ity of State, local, and territorial govern-  
 22 ments, the governments of Indian Tribes,  
 23 the governments of Freely Associated  
 24 States, and other non-Federal partners.

1           (ii) 1 or more strategies to educate  
2 non-Federal partners about the availability  
3 of Federal funding opportunities identified  
4 in the Operations Report under section  
5 5(2)(B), including the development of a  
6 centralized, cross-agency portal that allows  
7 non-Federal partners to easily identify and  
8 apply for appropriate Federal funding op-  
9 portunities for the specific resilience needs  
10 of those non-Federal partners.

11           (iii) 1 or more strategies to clarify,  
12 simplify, and harmonize the planning re-  
13 quirements and application processes for  
14 State, local, and territorial governments,  
15 the governments of Indian Tribes, and the  
16 governments of Freely Associated States to  
17 access Federal funds for climate adapta-  
18 tion and resilience efforts across rep-  
19 resented agencies.

20           (iv) 1 or more strategies to identify  
21 under-resourced communities and commu-  
22 nities with low adaptive capacity and resil-  
23 ience and to directly support those commu-  
24 nities in applying for Federal funds for eli-  
25 mate adaptation and resilience efforts.

(v) 1 or more strategies to support the retreat or relocation of human communities in areas that are at increasing risk from climate change, in particular from slow-onset climate hazards, including strategies to better manage equitable property buyouts, managed retreat, or relocation options for communities in those areas.

~~(C) CLIMATE INFORMATION.—~~

(i) 1 or more strategies to increase the accessibility and utility of climate information that is produced, published, or hosted by the Federal Government, including strategies to better collaborate across the represented agencies and work with non-Federal partners—

(I) to provide the high-quality, locally relevant climate information and, where practicable and useful, transparent and replicable downscaled climate projections that are necessary to support local-level adaptation efforts;

(II) to establish improved methods of communicating climate risk

1 and other relevant climate informa-  
2 tion;

3 (III) to better educate non-Fed-  
4 eral partners about the available re-  
5 sources for climate information; and

6 (IV) to assist non-Federal part-  
7 ners in selecting and using appro-  
8 priate climate information or related  
9 tools.

10 (ii) Standardized procedures to syn-  
11 thesize, align, and update climate informa-  
12 tion produced, published, or hosted by the  
13 Federal Government to create arrays of  
14 standardized national, regional, and, where  
15 applicable, local climate information for  
16 adaptation planning.

17 (iii) An assessment of the necessity  
18 and utility of developing or improving a  
19 centralized clearinghouse and dedicated  
20 Federal program for climate information to  
21 better provide climate information to end  
22 users.

23 (iv) 1 or more strategies to develop  
24 the centralized clearinghouse or dedicated  
25 Federal program described in clause (iii);

1 if such an effort is determined to be nec-  
 2 essary by the Chief Resilience Officer.

3 ~~(D) RESILIENCE METRICS AND INDICA-~~  
 4 ~~TORS.—At the discretion of the Chief Resilience~~  
 5 ~~Officer, 1 or more strategies to develop or im-~~  
 6 ~~prove resilience metrics and indicators to assist~~  
 7 ~~the Federal Government and non-Federal part-~~  
 8 ~~ners—~~

9 (i) to the maximum extent practicable;  
 10 to consistently measure the resilience of  
 11 human communities, natural systems, and  
 12 physical assets to climate change;

13 (ii) to set baselines and targets to  
 14 measurably increase climate resilience over  
 15 time; and

16 (iii) to better monitor and assess the  
 17 effectiveness of various resilience-building  
 18 activities after implementation.

19 ~~(E) FUNDING CLIMATE ADAPTATION.—~~

20 (i) 1 or more strategies to help  
 21 prioritize Federal funding expenditures for  
 22 adaptation and resilience in consideration  
 23 of the greatest vulnerabilities.



(ii) ~~1 or more strategies to create financial incentives for adaptation and resilience efforts.~~

(iii) ~~A review of the cost-benefit analysis methodologies and discount rates used by represented agencies for all Federal investments, including a review of the implications of those methodologies and discount rates for climate adaptation and resilience.~~

(iv) ~~Recommendations to improve the methodologies described in clause (iii) to reflect—~~

~~(I) the added value of resilience planning and construction methodologies over the lifetime of a project or unit of infrastructure;~~

~~(II) the benefits of natural infrastructure investments;~~

~~(III) the potential value of retreat and relocation as adaptation solutions; and~~

~~(IV) to what extent existing cost-benefit analysis methodologies lead to~~

1 inequitable outcomes or outcomes that  
 2 increase climate vulnerability.

3 ~~(F) SOCIAL EQUITY.—~~

4 (i) Strategies to ensure that the costs,  
 5 benefits, and risks resulting from climate  
 6 resilience efforts, including funding allocat-  
 7 tions, the methodologies for determining  
 8 funding allocations, and existing and fu-  
 9 ture policies, are equitably distributed  
 10 among sectors of society, types of commu-  
 11 nities, and geographies.

12 (ii) Strategies to ensure that federally  
 13 supported climate resilience efforts are—

14 (I) designed in consultation with  
 15 the communities that will be affected  
 16 by those efforts; and

17 (II) centered on the needs of  
 18 those communities.

19 (iii) To the greatest extent prac-  
 20 ticable, 1 or more strategies to integrate  
 21 social equity considerations across all as-  
 22 pects of the Strategy.

23 (b) IMPLEMENTATION PLAN.—Concurrently with the  
 24 Strategy and each update of the Strategy, the Chief Resil-  
 25 ience Officer and the Working Groups shall jointly submit

1 to the President and Congress an Implementation Plan  
 2 that describes how represented agencies intend to carry  
 3 out the Strategy, which shall include—

4           (1) a description of the roles and responsibil-  
 5 ities of each represented agency in carrying out each  
 6 element of the Strategy described in subsection (a);

7           (2) a plan to enter into such interagency agree-  
 8 ments between and among represented agencies,  
 9 partnerships with non-Federal entities, and other  
 10 agreements for coordination between and among the  
 11 Federal Government and non-Federal partners as  
 12 may be necessary to facilitate a unified national plan  
 13 to build resilience to climate change; and

14           (3) the use of any relevant metrics and indica-  
 15 tors described in subsection (a)(5)(D).

16       (c) ASSESSMENT.—Not later than 2 years following  
 17 the completion of each Strategy under subsection (a)(1)  
 18 and each Implementation Plan, the Comptroller General  
 19 of the United States shall submit to the President and  
 20 Congress a report that assesses—

21           (1) the extent to which the Strategy and Imple-  
 22 mentation Plan have been carried out by the Federal  
 23 Government, which shall be judged, as appropriate,  
 24 based on any metrics and indicators developed to

1 track progress in increasing resilience under sub-  
 2 section (a)(5)(D);

3 (2) the effectiveness of the actions taken under  
 4 the Strategy and Implementation Plan and the re-  
 5 sulting outcomes of those actions in building na-  
 6 tional resilience to climate change; and

7 (3) the progress made towards the development  
 8 of an effective whole-of-government effort to build  
 9 resilience to the climate vulnerabilities described in  
 10 the National Climate Assessment or other relevant  
 11 analyses identified by the Chief Resilience Officer,  
 12 including recommendations for additional steps nec-  
 13 essary to reach this goal.

14 (d) PUBLIC COMMENT.—The Chief Resilience Officer  
 15 shall—

16 (1) publish draft and final versions of the  
 17 Strategy and Implementation Plan, and each update  
 18 to the Strategy and Implementation Plan; and

19 (2) through publication in the Federal Register,  
 20 solicit comments from the public on the draft  
 21 versions of the documents published under para-  
 22 graph (1) for a period of 60 days; which the Chief  
 23 Resilience Officer and the Working Groups shall  
 24 consider before submitting final versions of the  
 25 Strategy and Implementation Plan, and updates to

1 the Strategy and Implementation Plan, to the Presi-  
 2 dent and Congress.

3 **SEC. 7. GENERAL PROVISIONS.**

4 (a) **SUNSET.**—This Act ceases to be effective on the  
 5 date that is the earlier of—

6 (1) the date on which the Comptroller General  
 7 of the United States submits to the President and  
 8 Congress the third assessment report under section  
 9 6(e); and

10 (2) the date that is the last day of fiscal year  
 11 2032.

12 (b) **AUTHORIZATION OF APPROPRIATIONS.**—There is  
 13 authorized to be appropriated to the Executive Office of  
 14 the President to carry out this Act \$2,000,000 for each  
 15 of fiscal years 2022 through the fiscal year in which this  
 16 Act ceases to be effective under subsection (a).

17 **SECTION 1. SHORT TITLE.**

18 *This Act may be cited as the “National Climate Adap-*  
 19 *tation and Resilience Strategy Act of 2022”.*

20 **SEC. 2. NATIONAL CLIMATE ADAPTATION AND RESILIENCE**  
 21 **STRATEGY.**

22 (a) **DEFINITIONS.**—*In this section:*

23 (1) **ADAPTATION.**—*The term “adaptation”*  
 24 *means an adjustment in a natural or human system*  
 25 *in response to a new or changing environmental con-*

dition, including such an adjustment associated with climate change, that exploits beneficial opportunities or moderates negative effects.

(2) *ADAPTIVE CAPACITY*.—The term “adaptive capacity” means the ability of a system—

(A) to adjust to climate vulnerabilities to moderate potential damage or harm;

(B) to take advantage of new, and potentially beneficial, opportunities; or

(C) to cope with change.

(3) *CASCADING CLIMATE HAZARDS*.—The term “cascading climate hazards” means a series of successive environmental hazards triggered by an initial hazard that is driven or exacerbated by climate change, such that the impacts to vulnerable systems are amplified.

(4) *CHIEF RESILIENCE OFFICER*.—The term “Chief Resilience Officer” means the Chief Resilience Officer of the United States appointed by the President under subsection (b)(1)(A).

(5) *CLIMATE CHANGE*.—The term “climate change” means changes in average atmospheric and oceanic conditions that persist over multiple decades or longer and are natural or anthropogenic in origin, including—

1           (A) both increases and decreases in tem-  
2           perature;

3           (B) shifts in precipitation;

4           (C) shifts in ecoregion or biome geography  
5           and phenology, as applicable;

6           (D) changing risk from certain types of  
7           rapid-onset climate hazards and slow-onset cli-  
8           mate hazards; and

9           (E) changes to other features of the climate  
10          system.

11          (6) *CLIMATE INFORMATION*.—The term “climate  
12          information” means information, data, or products  
13          that enhance knowledge and understanding of climate  
14          science, risk, conditions, vulnerability, or impact, in-  
15          cluding—

16               (A) climate data products;

17               (B) historic or future climate projections or  
18               scenarios;

19               (C) climate risk or vulnerability informa-  
20               tion;

21               (D) data or information related to climate  
22               adaptation and mitigation; and

23               (E) other best available climate science.

24          (7) *COMPOUND CLIMATE HAZARDS*.—The term  
25          “compound climate hazards” means 2 or more envi-

1        *ronmental hazards driven or exacerbated by climate*  
 2        *change that occur simultaneously or successively, such*  
 3        *that the impacts to vulnerable systems are amplified.*

4            (8) *COUNCIL.*—*The term “Council” means the*  
 5        *Partners Council on Climate Adaptation and Resil-*  
 6        *ience established by subsection (c)(1).*

7            (9) *FEDERAL AGENCY.*—*The term “Federal agen-*  
 8        *cy” has the meaning given the term “Executive agen-*  
 9        *cy” in section 105 of title 5, United States Code.*

10          (10) *FREELY ASSOCIATED STATE.*—*The term*  
 11        *“Freely Associated State” means—*

12                    (A) *the Federated States of Micronesia;*

13                    (B) *the Republic of the Marshall Islands;*

14                    *and*

15                    (C) *the Republic of Palau.*

16          (11) *FRONTLINE COMMUNITIES.*—*The term*  
 17        *“frontline communities” means human communities*  
 18        *that—*

19                    (A) *are highly vulnerable to climate change*  
 20                    *or exposed to climate risk;*

21                    (B) *experience the earliest, most adverse im-*  
 22                    *pacts of climate change; and*

23                    (C) *may have a reduced ability to adapt to*  
 24                    *climate change due to a lack of resources, polit-*  
 25                    *ical power, or adaptive capacity.*



1           (12) *IMPLEMENTATION PLAN*.—The term “Imple-  
 2           mentation Plan” means the Implementation Plan  
 3           jointly developed by the Chief Resilience Officer and  
 4           the Working Groups under subsection (e)(2).

5           (13) *INDIAN TRIBE*.—The term “Indian Tribe”  
 6           has the meaning given the term in section 4 of the In-  
 7           dian Self-Determination and Education Assistance  
 8           Act (25 U.S.C. 5304).

9           (14) *NATIONAL CLIMATE ASSESSMENT*.—The  
 10          term “National Climate Assessment” means the as-  
 11          sessment delivered to Congress and the President pur-  
 12          suant to section 106 of the Global Change Research  
 13          Act of 1990 (15 U.S.C. 2936).

14          (15) *NATURAL INFRASTRUCTURE*.—The term  
 15          “natural infrastructure” means infrastructure that—

16               (A) uses, restores, or emulates natural eco-  
 17               logical, geological, or physical processes; and

18               (B)(i) is created through the action of nat-  
 19               ural physical, geological, biological, and chem-  
 20               ical processes over time;

21               (ii) is created by human design, engineer-  
 22               ing, and construction to emulate or act in con-  
 23               cert with natural processes; or

24               (iii) involves the use of plants, soils, and  
 25               other natural features, including through the cre-

1        *ation, restoration, or preservation of natural*  
 2        *areas using materials appropriate to the region*  
 3        *to manage stormwater and runoff, to attenuate*  
 4        *flooding and storm surges, to manage erosion*  
 5        *and saltwater intrusion, and for other related*  
 6        *purposes.*

7        (16) *NON-FEDERAL PARTNER.*—*The term “non-*  
 8        *Federal partner” means a member of a unit of State,*  
 9        *local, or territorial government, the government of an*  
 10        *Indian Tribe, the government of a Freely Associated*  
 11        *State, a private sector entity, or another individual*  
 12        *or organization not affiliated with the Federal Gov-*  
 13        *ernment.*

14        (17) *OPERATIONS REPORT.*—*The term “Oper-*  
 15        *ations Report” means the National Climate Adapta-*  
 16        *tion and Resilience Operations Report jointly devel-*  
 17        *oped by the Chief Resilience Officer and the Working*  
 18        *Groups under subsection (d).*

19        (18) *RAPID-ONSET CLIMATE HAZARD.*—*The term*  
 20        *“rapid-onset climate hazard” means an abrupt envi-*  
 21        *ronmental hazard driven or exacerbated by climate*  
 22        *change that occurs quickly or unexpectedly and trig-*  
 23        *gers impacts that materialize rapidly and interact*  
 24        *with conditions of exposure and vulnerability to re-*  
 25        *sult in a disaster.*

1           (19) *REPRESENTED AGENCY*.—The term “rep-  
 2       resented agency” means each Federal agency from  
 3       which the Chief Resilience Officer appoints a member  
 4       to a Working Group under subsection  
 5       (b)(2)(D)(ii)(II).

6           (20) *RESILIENCE*.—The term “resilience” means  
 7       the capacity of a social, physical, economic, or envi-  
 8       ronmental system to cope with an environmental haz-  
 9       ard event, trend, or disturbance that is driven or ex-  
 10      acerbated by climate change by responding or reorga-  
 11      nizing in ways that maintain, to the greatest extent  
 12      practicable, the essential function, identity, and struc-  
 13      ture of the system and ensure that, in the event of a  
 14      rapid-onset climate hazard or a slow-onset climate  
 15      hazard, basic human needs are met, while also main-  
 16      taining the capacity for adaptation and trans-  
 17      formation.

18          (21) *RISK*.—

19               (A) *IN GENERAL*.—The term “risk” means  
 20       the potential for consequences in a situation in  
 21       which—

22                   (i) something of value is at stake; and  
 23                   (ii) the outcome is uncertain.

24               (B) *INCLUSION*.—The term “risk” includes  
 25       the potential for consequences described in sub-

paragraph (A) that is evaluated as the product  
obtained by multiplying—

(i) the probability of a hazard occurring; by

(ii) the consequence that would result  
if the hazard occurred.

(22) SLOW-ONSET CLIMATE HAZARD.—

(A) IN GENERAL.—The term “slow-onset climate hazard” means an environmental hazard driven or exacerbated by climate change that evolves gradually through time due to incremental change or because of an increasing frequency or intensity of recurring climate impacts.

(B) INCLUSIONS.—The term “slow-onset climate hazard” includes hazards such as—

(i) sea level rise;

(ii) desertification;

(iii) biodiversity loss or the alteration  
of or shift in habitat range of individual  
species or entire biomes;

(iv) increasing temperatures;

(v) ocean acidification;

(vi) saltwater intrusion;

(vii) soil salinization;

(viii) drought and water scarcity;

1                   *(ix) reduced snow pack;*

2                   *(x) sea ice retreat;*

3                   *(xi) glacial ice retreat;*

4                   *(xii) permafrost thaw; and*

5                   *(xiii) coastal and river bank erosion.*

6                   (23) *STRATEGY.*—*The term “Strategy” means*  
 7                   *the National Climate Adaptation and Resilience*  
 8                   *Strategy required to be developed jointly by the Chief*  
 9                   *Resilience Officer and the Working Groups under sub-*  
 10                   *section (e)(1).*

11                   (24) *TERRITORIAL GOVERNMENT.*—*The term*  
 12                   *“territorial government” means the government of a*  
 13                   *territory (as defined in section 602(g) of the Social*  
 14                   *Security Act (42 U.S.C. 802(g))).*

15                   (25) *VULNERABILITY.*—*The term “vulnerability”*  
 16                   *means the propensity or predisposition of a human*  
 17                   *individual or community or physical, biological, or*  
 18                   *socioeconomic system to be susceptible to and ad-*  
 19                   *versely affected by the impacts of climate change.*

20                   (26) *WORKING GROUP.*—*The term “Working*  
 21                   *Group” means a National Climate Adaptation and*  
 22                   *Resilience Working Group established by the Chief*  
 23                   *Resilience Officer under subsection (b)(2).*

24                   (b) *CHIEF RESILIENCE OFFICER AND NATIONAL CLI-*  
 25                   *MATE ADAPTATION AND RESILIENCE WORKING GROUPS.*—

(1) *CHIEF RESILIENCE OFFICER.*—

(A) *IN GENERAL.*—Not later than 120 days after the date of enactment of this Act, the President shall identify or appoint a Chief Resilience Officer of the United States to serve in the Executive Office of the President.

(B) *DUTIES.*—The Chief Resilience Officer shall—

(i) serve the President by directing a whole-of-government effort to build resilience to climate change vulnerabilities in the United States (as described in the National Climate Assessment or other relevant analyses identified by the Chief Resilience Officer) in collaboration with existing Federal initiatives and interagency adaptation efforts;

(ii) establish Working Groups in accordance with paragraph (2) to facilitate interagency coordination with respect to climate resilience and adaptation; and

(iii) at the end of a presidential administration, delegate the duties of the Chief Resilience Officer to the Executive Secretary of the Working Groups designated under

1           *paragraph (2)(F)(i)(I) until a new Chief*  
 2           *Resilience Officer is appointed.*

3           (C) *COMPENSATION.—The Chief Resilience*  
 4           *Officer shall be compensated by the Federal Gov-*  
 5           *ernment at level III of the Executive Schedule in*  
 6           *subchapter II of chapter 53 of title 5, United*  
 7           *States Code.*

8           (2) *WORKING GROUPS.—*

9           (A) *ESTABLISHMENT.—*

10           (i) *IN GENERAL.—Subject to clause*  
 11           *(ii), the Chief Resilience Officer shall estab-*  
 12           *lish the minimum number of National Cli-*  
 13           *mate Adaptation and Resilience Working*  
 14           *Groups that is necessary to carry out the*  
 15           *duties and purposes described in subpara-*  
 16           *graph (C).*

17           (ii) *LIMITATION.—The Chief Resilience*  
 18           *Officer shall not establish more than 5*  
 19           *Working Groups.*

20           (B) *FOCUS.—Each Working Group shall*  
 21           *focus on a topic or series of related topics with*  
 22           *respect to climate adaptation and resilience, as*  
 23           *determined by the Chief Resilience Officer.*

24           (C) *DUTIES AND PURPOSE.—Each Working*  
 25           *Group shall, under the leadership of the Chief*

1           *Resilience Officer, with respect to the focus of the*  
 2           *Working Group—*

3                   *(i) coordinate a whole-of-government*  
 4                   *plan to build resilience to the applicable cli-*  
 5                   *mate change vulnerabilities described in the*  
 6                   *National Climate Assessment or other rel-*  
 7                   *evant analyses identified by the Chief Resil-*  
 8                   *ience Officer;*

9                   *(ii) assist in the development of the ap-*  
 10                  *plicable portions of—*

11                           *(I) the Operations Report;*

12                           *(II) the Strategy; and*

13                           *(III) the Implementation Plan;*

14                           *and*

15                   *(iii) assist in the standardization*  
 16                   *across represented agencies of, with respect*  
 17                   *to climate change, the term “resilience” to*  
 18                   *promote greater consistency in Federal re-*  
 19                   *silience leadership.*

20           *(D) STRUCTURE.—*

21                   *(i) CHAIRPERSON.—*

22                           *(I) IN GENERAL.—Subject to a*  
 23                           *designation under subclause (III), the*  
 24                           *Chief Resilience Officer shall serve as*  
 25                           *chairperson of each Working Group.*



1 (II) *TEMPORARY CHAIRPERSON.*—

2 *The President or the Chief Resilience*  
 3 *Officer may designate another staff*  
 4 *member or member of a Working*  
 5 *Group to act temporarily as the chair-*  
 6 *person of that Working Group in the*  
 7 *absence of the Chief Resilience Officer.*

8 (III) *DESIGNATED AGENCY CHAIR-*

9 *PERSON.*—*The Chief Resilience Officer*  
 10 *may designate as chairperson of a*  
 11 *Working Group the head of a rep-*  
 12 *resented agency that serves on that*  
 13 *Working Group.*

14 (ii) *MEMBERSHIP.*—*In establishing a*  
 15 *Working Group, the Chief Resilience Officer*  
 16 *shall—*

17 (I) *identify each Federal agency*  
 18 *with operations or organizational*  
 19 *units that are relevant to the focus of*  
 20 *the Working Group; and*

21 (II) *appoint 1 member of each*  
 22 *Federal agency identified under sub-*  
 23 *clause (I) to represent that Federal*  
 24 *agency on the Working Group.*

1           (iii) *REQUIREMENT.*—*In appointing a*  
 2           *member of a Working Group under clause*  
 3           *(ii)(II), the Chief Resilience Officer shall, to*  
 4           *the maximum extent practicable, appoint*  
 5           *the head of the portion of the represented*  
 6           *agency that is most relevant to the focus of*  
 7           *the Working Group.*

8           (iv) *DUTIES OF MEMBERS.*—*Each*  
 9           *member of a Working Group—*

10                   (I) *shall attend meetings of the*  
 11                   *Working Group; and*

12                   (II) *work to support the duties of*  
 13                   *the Working Group.*

14           (E) *MEETINGS.*—

15           (i) *IN GENERAL.*—*Each Working*  
 16           *Group shall meet not less frequently than*  
 17           *once every 180 days.*

18           (ii) *QUORUM.*— $\frac{3}{4}$  *of the members of a*  
 19           *Working Group shall constitute a quorum of*  
 20           *the Working Group.*

21           (iii) *REMOTE PARTICIPATION.*—*A*  
 22           *member of a Working Group may partici-*  
 23           *pate in a meeting of that Working Group*  
 24           *through teleconference or similar means.*

25           (F) *SUPPORT PERSONNEL.*—

1                   (i) *EXECUTIVE SECRETARY.*—

2                         (I) *IN GENERAL.*—*The Chief Re-*  
3                         *silience Officer shall designate a per-*  
4                         *manent employee of a represented*  
5                         *agency to serve as Executive Secretary*  
6                         *of the Working Groups.*

7                         (II) *EMPLOYMENT.*—*The employee*  
8                         *designated as Executive Secretary*  
9                         *under subclause (I) shall remain an*  
10                         *employee of the agency, department, or*  
11                         *program from which the employee was*  
12                         *appointed.*

13                   (ii) *NECESSARY ASSISTANCE.*—*To*  
14                         *carry out the purposes of each Working*  
15                         *Group, as described in subparagraph (C),*  
16                         *each represented agency with a member on*  
17                         *the Working Group shall furnish necessary*  
18                         *assistance to that Working Group, such*  
19                         *as—*

20                         (I) *a detail of employees to the*  
21                         *Working Group to perform such func-*  
22                         *tions, consistent with the purposes of*  
23                         *the Working Group described in sub-*  
24                         *paragraph (C), as the Chief Resilience*  
25                         *Officer may assign, including support*

1                   *staff for the Executive Secretary ap-*  
 2                   *pointed under clause (i)(I); and*  
 3                   *(II) on request of the Chief Resil-*  
 4                   *ience Officer, undertaking special stud-*  
 5                   *ies for the Working Group as may be*  
 6                   *appropriate to carry out the functions*  
 7                   *of the Working Group.*

8           *(c) PARTNERS COUNCIL ON CLIMATE ADAPTATION AND*  
 9   *RESILIENCE.—*

10           *(1) ESTABLISHMENT.—There is established a*  
 11           *council, to be known as the “Partners Council on Cli-*  
 12           *mate Adaptation and Resilience”.*

13           *(2) MISSION AND FUNCTION.—The Council shall*  
 14           *work to improve the climate adaptation and resilience*  
 15           *operations of the Federal Government by providing*  
 16           *recommendations through the Chief Resilience Officer,*  
 17           *including those recommendations contained in the re-*  
 18           *port required under paragraph (3), that identify how*  
 19           *the Federal Government can better support non-Fed-*  
 20           *eral partners with equitable resources, technical as-*  
 21           *sistance, improved policies, and other assistance to*  
 22           *help frontline communities build resilience to climate*  
 23           *change.*

24           *(3) REPORT.—Not later than 16 months after the*  
 25           *date of enactment of this Act, and every 3 years there-*

1       *after, the Council, acting through the Chief Resilience*  
 2       *Officer, shall submit to the President and the Working*  
 3       *Groups a report that includes—*

4               *(A) an analysis of the deficiencies or gaps*  
 5               *in the climate resilience operations of the Federal*  
 6               *Government that reduce or fail to increase the*  
 7               *capacity of non-Federal partners to adapt to cli-*  
 8               *mate change;*

9               *(B) an identification of the resources, in-*  
 10              *cluding Federal funding, necessary for non-Fed-*  
 11              *eral partners to adequately adapt to climate*  
 12              *change; and*

13              *(C) recommendations with respect to how*  
 14              *the Federal Government could better support ef-*  
 15              *forts by non-Federal partners to expeditiously*  
 16              *address vulnerabilities associated with climate*  
 17              *change and build climate resilience.*

18              *(4) CHAIR AND VICE-CHAIR.—The Chief Resil-*  
 19              *ience Officer shall serve as chairperson of the Council*  
 20              *and shall appoint a vice-chairperson from among the*  
 21              *members of the Council appointed pursuant to para-*  
 22              *graph (5).*

23              *(5) MEMBERSHIP.—*

24                      *(A) IN GENERAL.—In addition to the Chief*  
 25              *Resilience Officer, the Council shall consist of not*

1           *more than 23 members appointed by the Chief*  
 2           *Resilience Officer.*

3           *(B) APPOINTMENT.—*

4                     *(i) IN GENERAL.—The Chief Resilience*  
 5                     *Officer shall appoint members of the Coun-*  
 6                     *cil who can support the Working Groups by*  
 7                     *articulating how the Federal Government*  
 8                     *can better support State governments, local*  
 9                     *governments, territorial governments, the*  
 10                    *governments of Indian Tribes, the govern-*  
 11                    *ments of Freely Associated States, nonprofit*  
 12                    *organizations, or private sector entities to*  
 13                    *build resilience to climate change.*

14                    *(ii) NON-FEDERAL PARTNER MEM-*  
 15                    *BERS.—The Chief Resilience Officer shall*  
 16                    *appoint 20 non-Federal partner members of*  
 17                    *the Council as follows:*

18                             *(I) 12 members who are employees*  
 19                             *of State governments, local govern-*  
 20                             *ments, territorial governments, the gov-*  
 21                             *ernments of Indian Tribes, or the gov-*  
 22                             *ernments of Freely Associated States,*  
 23                             *of which—*

1                   (aa) not fewer than 2 shall  
2                   be employees of a State govern-  
3                   ment;

4                   (bb) not fewer than 2 shall be  
5                   employees of a unit of local gov-  
6                   ernment;

7                   (cc) not fewer than 2 shall be  
8                   employees of the government of an  
9                   Indian Tribe; and

10                  (dd) not fewer than 2 shall  
11                  be employees of a territorial gov-  
12                  ernment or the government of a  
13                  Freely Associated State; and

14                  (II) 8 members who represent  
15                  nongovernmental organizations and the  
16                  private sector, of which—

17                   (aa) 3 shall represent non-  
18                   governmental organizations;

19                   (bb) 3 shall represent the pri-  
20                   vate sector; and

21                   (cc) 2 shall represent aca-  
22                   demic institutions.

23                  (iii) REPRESENTED AGENCY MEM-  
24                  BERS.—The Chief Resilience Officer may,  
25                  with the consent of those representatives, ap-

point not more than 3 representatives of represented agencies to the Council that the Chief Resilience Officer determines would promote dialogue useful for implementation of the duties of the Council while keeping the size of the Council manageable.

(iv) *SELECTION.*—To the maximum extent practicable, the Chief Resilience Officer shall seek to select members of the Council who—

(I) possess first-hand, lived experience of climate vulnerability in the United States, including direct experience working with, or as members of, frontline communities; and

(II) represent a diversity of—

(aa) perspectives;

(bb) demographics;

(cc) geographies;

(dd) political affiliations;

and

(ee) institution sizes, including representatives of both small and large units of government and businesses.



1                   (v) *TERM.*—*Members appointed to the*  
 2                   *Council shall serve a single term of not*  
 3                   *more than 3 years, except that—*

4                   (I) *of the initial members ap-*  
 5                   *pointed to the Council, the Chief Resil-*  
 6                   *ience Officer shall appoint—*

7                   (aa) *1/2 of the members to*  
 8                   *serve for a term of 18 months; and*

9                   (bb) *1/2 of the members to*  
 10                  *serve a term of 3 years; and*

11                  (II) *the Chief Resilience Officer*  
 12                  *may extend the term of any member of*  
 13                  *the Council by a period of not more*  
 14                  *than 1 year on a one-time basis, if the*  
 15                  *Chief Resilience Officer determines it*  
 16                  *necessary to support the work of the*  
 17                  *Council.*

18                  (vi) *VACANCIES.*—

19                  (I) *IN GENERAL.*—*A vacancy in*  
 20                  *the Council shall be filled in the same*  
 21                  *manner in which the original selection*  
 22                  *was made.*

23                  (II) *APPOINTMENT OF NEW MEM-*  
 24                  *BERS.*—*After the expiration of the*  
 25                  *term for which a member of the Coun-*

1                    *cil is appointed, the member may con-*  
 2                    *tinue to serve until a successor is ap-*  
 3                    *pointed.*

4                    (6) *MEETINGS.*—

5                    (A) *IN GENERAL.*—*The Council shall meet*  
 6                    *not less frequently than once every 180 days.*

7                    (B) *QUORUM.*— $\frac{3}{4}$  *of the members of the*  
 8                    *Council shall constitute a quorum of the Council.*

9                    (C) *REMOTE PARTICIPATION.*—*A member of*  
 10                    *the Council may participate in a meeting of the*  
 11                    *Council through teleconference or similar means.*

12                    (7) *APPLICABILITY OF FACA.*—*Section 14 of the*  
 13                    *Federal Advisory Committee Act (5 U.S.C. App.)*  
 14                    *shall not apply to the Council.*

15                    (d) *NATIONAL CLIMATE ADAPTATION AND RESILIENCE*  
 16                    *OPERATIONS REPORT.*—*Not later than 16 months after the*  
 17                    *date of enactment of this Act, and every 3 years thereafter,*  
 18                    *the Chief Resilience Officer and the Working Groups shall*  
 19                    *jointly and simultaneously submit to the President and*  
 20                    *Congress a National Climate Adaptation and Resilience*  
 21                    *Operations Report that includes—*

22                    (1) *a summary of the existing climate resilience*  
 23                    *operations of each represented agency that includes—*

24                    (A) *the roles and responsibilities of each*  
 25                    *represented agency in building national resil-*

1        *ience to the climate vulnerabilities described in*  
 2        *the National Climate Assessment or other anal-*  
 3        *yses relevant to each represented agency;*

4                *(B) the major findings and conclusions*  
 5        *from climate adaptation plans or risk or vulner-*  
 6        *ability assessments prepared by each represented*  
 7        *agency;*

8                *(C) the mechanisms by which each rep-*  
 9        *resented agency supports the resilience efforts of*  
 10        *non-Federal partners, such as by providing*  
 11        *funding, resources, and technical assistance; and*

12                *(D) an assessment of how each represented*  
 13        *agency is working to ensure equitable adaptation*  
 14        *outcomes; and*

15        *(2) a cross-agency analysis of the resilience oper-*  
 16        *ations identified under paragraph (1) that—*

17                *(A) identifies—*

18                        *(i) the challenges, barriers, or disincentives for the Federal Government to build*  
 19        *resilience to climate change in the United*  
 20        *States;*

21                        *(ii) the inconsistencies in goals, priorities, or strategies underlying climate resili-*  
 22        *ence operations and policy across rep-*  
 23        *resented agencies that may inhibit effective*  
 24          
 25

1           *interagency coordination to support na-*  
2           *tional climate resilience, including—*

3                     *(I) the areas of necessary dif-*  
4                     *ferences in those goals, priorities, or*  
5                     *strategies; and*

6                     *(II) the justifications for those in-*  
7                     *consistencies;*

8                     *(iii) areas of overlap or redundant use*  
9                     *of resources between or among represented*  
10                    *agencies, including recommendations to*  
11                    *eliminate any unnecessary or unintentional*  
12                    *redundancy;*

13                    *(iv) gaps or deficiencies in resilience*  
14                    *operations and policy that need to be ad-*  
15                    *ressed in the context of the Strategy;*

16                    *(v) opportunities for greater collabora-*  
17                    *tion between or among represented agencies*  
18                    *to improve Federal Government resilience*  
19                    *operations and policy; and*

20                    *(vi) opportunities for greater collabora-*  
21                    *tion between the Federal Government and*  
22                    *non-Federal partners to build local-level*  
23                    *adaptive capacity and resilience; and*

24                    *(B) includes a review and summary of all*  
25            *available Federal funding from represented agen-*

cies that is specifically allocated for climate adaptation activities to be undertaken by non-Federal partners, including—

(i) a summary of Federal funding available in appropriations accounts and subaccounts;

(ii) disparities between the supply and demand for adaptation funding available to non-Federal partners; and

(iii) existing mechanisms to ensure Federal funding allocations are being directed to frontline communities with the greatest level of vulnerability.

(e) NATIONAL CLIMATE ADAPTATION AND RESILIENCE STRATEGY.—

(1) STRATEGY.—

(A) IN GENERAL.—Not later than 2 years after the date of enactment of this Act, the Chief Resilience Officer and the Working Groups shall jointly submit and simultaneously to the President and Congress a National Climate Adaptation and Resilience Strategy.

(B) UPDATES.—Not later than the date that is 3 years after the date on which the Chief Resilience Officer and the Working Groups jointly

1           *and simultaneously submit the Strategy to the*  
2           *President and Congress under subparagraph (A),*  
3           *and every 3 years thereafter, the Chief Resilience*  
4           *Officer and the Working Groups shall jointly*  
5           *submit an updated version of the Strategy to the*  
6           *President and Congress to account for—*

7                     *(i) new science related to climate*  
8                     *change, resilience, and adaptation;*

9                     *(ii) relevant changes in Federal Gov-*  
10                    *ernment structure, congressional authorities,*  
11                    *or appropriations; and*

12                    *(iii) any other necessary improvements*  
13                    *or changes identified by the Chief Resilience*  
14                    *Officer.*

15           *(C) PURPOSE AND SCOPE.—The Strategy*  
16           *shall describe strategies for the Federal Govern-*  
17           *ment, in partnership with non-Federal partners,*  
18           *to address the vulnerabilities of the United States*  
19           *to climate change described in the National Cli-*  
20           *mate Assessment or other relevant analyses iden-*  
21           *tified by the Chief Resilience Officer to ensure*  
22           *that—*

23                    *(i) the United States has an over-*  
24                    *arching strategic vision to respond to cli-*  
25                    *mate change that—*

1                   (I) identifies national climate re-  
2                   silience goals and guides national cli-  
3                   mate adaptation efforts;

4                   (II) facilitates the incorporation  
5                   of the climate resilience goals identified  
6                   under subclause (I) into relevant na-  
7                   tional programs, operations, and strat-  
8                   egies;

9                   (III) develops proactive, long-  
10                  term, scenario-based strategies to plan  
11                  for and respond to current and future  
12                  climate impacts to human commu-  
13                  nities, natural resources and public  
14                  land, and infrastructure and other  
15                  physical assets;

16                  (IV) emphasizes forward-thinking  
17                  adaptation strategies, including  
18                  predisaster mitigation, that seek to  
19                  overcome repeated climate impacts to  
20                  vulnerable systems and communities;

21                  (V) prioritizes climate resilience  
22                  efforts to support the most vulnerable  
23                  human communities and the most ur-  
24                  gent national resilience challenges, as  
25                  determined by the Chief Resilience Of-

1            *ficer in consultation with the Working*  
 2            *Groups;*

3                    (VI)        *avoids        unnecessary*  
 4            *redundancies and inefficiencies in the*  
 5            *national planning for and response to*  
 6            *climate change; and*

7                    (VII) *recognizes the vulnerability*  
 8            *of natural systems to climate change*  
 9            *and underscores the importance of pro-*  
 10          *moting ecosystem resilience to preserve*  
 11          *the intrinsic value of nature and sup-*  
 12          *port ecosystem services relied on by*  
 13          *human beings;*

14                   (ii) *Federal investments in Federal*  
 15          *and non-Federal infrastructure and assets*  
 16          *promote climate resilience to the maximum*  
 17          *extent practicable; and*

18                   (iii) *the adaptive capacity and resil-*  
 19          *ience of State governments, local govern-*  
 20          *ments, territorial governments, the govern-*  
 21          *ments of Indian Tribes, and governments of*  
 22          *Freely Associated States are maximized to*  
 23          *the maximum extent practicable.*

24                   (D) *COUNCIL RECOMMENDATIONS.—In de-*  
 25          *veloping the Strategy, the Chief Resilience Offi-*



cer and Working Groups shall consider the recommendations of the Council.

(E) *INCLUSIONS.*—In addition to the overarching strategies developed in accordance with subparagraph (C), the Strategy shall include information with respect to the following:

(i) *DIRECT FEDERAL GOVERNMENT RESPONSE TO CLIMATE CHANGE.*—

(I) *Addressing the limitations, redundancies, and opportunities for improved resilience operations of the Federal Government that are identified in the Operations Report.*

(II) *Better preparing the United States for the adverse impacts experienced or anticipated to be experienced as a result of—*

(aa) *rapid-onset climate hazards;*

(bb) *slow-onset climate hazards;*

(cc) *compound climate hazards; and*

(dd) *cascading climate hazards.*

1                   (III) *Educating, engaging, or de-*  
 2                   *veloping the skills of the workforce of*  
 3                   *the represented agencies with respect to*  
 4                   *topics related to climate change vulner-*  
 5                   *ability and resilience to promote effec-*  
 6                   *tive Federal resilience operations.*

7                   (IV) *An identification of opportu-*  
 8                   *nities and appropriate circumstances*  
 9                   *for represented agencies to better utilize*  
 10                  *natural infrastructure as an adapta-*  
 11                  *tion strategy.*

12                  (ii) *SUPPORT OF NON-FEDERAL PART-*  
 13                  *NERS' RESPONSE TO CLIMATE CHANGE.—*

14                  (I) *Methods for represented agen-*  
 15                  *cies to better collaborate and work di-*  
 16                  *rectly with non-Federal partners to in-*  
 17                  *crease the resilience and adaptive ca-*  
 18                  *capacity of State governments, local gov-*  
 19                  *ernments, territorial governments, the*  
 20                  *governments of Indian Tribes, the gov-*  
 21                  *ernments of Freely Associated States,*  
 22                  *and other non-Federal partners.*

23                  (II) *Educating non-Federal part-*  
 24                  *ners about the availability of Federal*  
 25                  *funding opportunities identified in the*

1           *Operations Report under subsection*  
2           *(d)(2)(B), including the development of*  
3           *a centralized, cross-agency portal that*  
4           *allows non-Federal partners to easily*  
5           *identify and apply for appropriate*  
6           *Federal funding opportunities for the*  
7           *specific resilience needs of those non-*  
8           *Federal partners.*

9                     *(III) Clarifying, simplifying, and*  
10           *harmonizing the planning require-*  
11           *ments and application processes for*  
12           *State governments, local governments,*  
13           *territorial governments, the govern-*  
14           *ments of Indian Tribes, and the gov-*  
15           *ernments of Freely Associated States to*  
16           *access Federal funds for climate adap-*  
17           *tation and resilience efforts across rep-*  
18           *resented agencies.*

19                     *(IV) Identifying under-resourced*  
20           *communities and communities with*  
21           *low adaptive capacity and resilience*  
22           *and to directly support those commu-*  
23           *nities in applying for Federal funds*  
24           *for climate adaptation and resilience*  
25           *efforts.*

1                   (V) *Supporting the retreat or relo-*  
 2                   *cation of human communities in areas*  
 3                   *that are at increasing risk from cli-*  
 4                   *mate change, in particular from slow-*  
 5                   *onset climate hazards, including strate-*  
 6                   *gies to better manage equitable prop-*  
 7                   *erty buyouts, managed retreat, or relo-*  
 8                   *cation options for communities in*  
 9                   *those areas.*

10                  (iii) *CLIMATE INFORMATION.—*

11                   (I) *Increasing the accessibility*  
 12                   *and utility of climate information that*  
 13                   *is produced, published, or hosted by the*  
 14                   *Federal Government, including strate-*  
 15                   *gies to better collaborate across the rep-*  
 16                   *resented agencies and work with non-*  
 17                   *Federal partners—*

18                               (aa) *to provide the high-qual-*  
 19                               *ity, locally relevant climate infor-*  
 20                               *mation and, where practicable*  
 21                               *and useful, transparent and*  
 22                               *replicable downscaled climate pro-*  
 23                               *jections that are necessary to sup-*  
 24                               *port local-level adaptation efforts;*

1                   (bb) to establish improved  
2                   methods of communicating cli-  
3                   mate risk and other relevant cli-  
4                   mate information;

5                   (cc) to better educate non-  
6                   Federal partners about the avail-  
7                   able resources for climate infor-  
8                   mation; and

9                   (dd) to assist non-Federal  
10                  partners in selecting and using  
11                  appropriate climate information  
12                  or related tools.

13               (II) Standardized procedures to  
14               synthesize, align, and update climate  
15               information produced, published, or  
16               hosted by the Federal Government to  
17               create arrays of standardized national,  
18               regional, and, where applicable, local  
19               climate information for adaptation  
20               planning.

21               (III) An assessment of the neces-  
22               sity and utility of developing or im-  
23               proving a centralized clearinghouse  
24               and dedicated Federal program for cli-

1                    *mate information to better provide cli-*  
 2                    *mate information to end users.*

3                    *(IV) Developing the centralized*  
 4                    *clearinghouse or dedicated Federal pro-*  
 5                    *gram described in subclause (III), if*  
 6                    *such an effort is determined to be nec-*  
 7                    *essary by the Chief Resilience Officer.*

8                    *(iv) RESILIENCE METRICS AND INDICA-*  
 9                    *TORS.—At the discretion of the Chief Resil-*  
 10                    *ience Officer, developing or improving resil-*  
 11                    *ience metrics and indicators to assist the*  
 12                    *Federal Government and non-Federal part-*  
 13                    *ners—*

14                    *(I) to the maximum extent prac-*  
 15                    *ticable, to consistently measure the re-*  
 16                    *silience of human communities, nat-*  
 17                    *ural systems, and physical assets to*  
 18                    *climate change;*

19                    *(II) to set baselines and targets to*  
 20                    *measurably increase climate resilience*  
 21                    *over time; and*

22                    *(III) to better monitor and assess*  
 23                    *the effectiveness of various resilience-*  
 24                    *building activities after implementa-*  
 25                    *tion.*

1                   (v) *FUNDING CLIMATE ADAPTATION.*—

2                   (I) *Helping to prioritize Federal*  
3                   *funding expenditures for adaptation*  
4                   *and resilience in consideration of the*  
5                   *greatest vulnerabilities.*

6                   (II) *Creating financial incentives*  
7                   *for adaptation and resilience efforts.*

8                   (III) *A review of the cost-benefit*  
9                   *analysis methodologies and discount*  
10                   *rates used by represented agencies for*  
11                   *all Federal investments, including a*  
12                   *review of the implications of those*  
13                   *methodologies and discount rates for*  
14                   *climate adaptation and resilience.*

15                   (IV) *Recommendations to improve*  
16                   *the methodologies described in sub-*  
17                   *clause (III) to reflect—*

18                   (aa) *the added value of resil-*  
19                   *ience planning and construction*  
20                   *methodologies over the lifetime of*  
21                   *a project or unit of infrastructure;*

22                   (bb) *the benefits of natural*  
23                   *infrastructure investments;*

1                   (cc) the potential value of re-  
 2                   treat and relocation as adaptation  
 3                   solutions; and

4                   (dd) to what extent existing  
 5                   cost-benefit analysis methodologies  
 6                   lead to inequitable outcomes or  
 7                   outcomes that increase climate  
 8                   vulnerability.

9                   (vi) SOCIAL EQUITY.—

10                   (I) Ensuring that the costs, bene-  
 11                   fits, and risks resulting from climate  
 12                   resilience efforts, including funding al-  
 13                   locations, the methodologies for deter-  
 14                   mining funding allocations, and exist-  
 15                   ing and future policies, are equitably  
 16                   distributed among sectors of society,  
 17                   types of communities, and geographies.

18                   (II) Ensuring that federally sup-  
 19                   ported climate resilience efforts are—

20                   (aa) designed in consultation  
 21                   with the communities that will be  
 22                   affected by those efforts; and

23                   (bb) centered on the needs of  
 24                   those communities.



1                   (III) *To the greatest extent prac-*  
2                   *ticable, integrating social equity con-*  
3                   *siderations across all aspects of the*  
4                   *Strategy.*

5                   (2) *IMPLEMENTATION PLAN.*—*Concurrently with*  
6                   *the Strategy and each update of the Strategy, the*  
7                   *Chief Resilience Officer and the Working Groups shall*  
8                   *jointly and simultaneously submit to the President*  
9                   *and Congress an Implementation Plan that describes*  
10                  *how represented agencies intend to carry out the*  
11                  *Strategy, which shall include—*

12                   (A) *a description of the roles and respon-*  
13                   *sibilities of each represented agency in carrying*  
14                   *out each element of the Strategy described in*  
15                   *paragraph (1);*

16                   (B) *a plan to enter into such interagency*  
17                   *agreements between and among represented agen-*  
18                   *cies, partnerships with non-Federal entities, and*  
19                   *other agreements for coordination between and*  
20                   *among the Federal Government and non-Federal*  
21                   *partners as may be necessary to facilitate a uni-*  
22                   *fied national plan to build resilience to climate*  
23                   *change; and*

24                   (C) *the use of any relevant metrics and in-*  
25                   *dicators described in paragraph (1)(E)(iv).*

1           (3) *ASSESSMENT.*—Not later than 2 years fol-  
2           lowing the completion of each Strategy under para-  
3           graph (1)(A) and each Implementation Plan, the  
4           Comptroller General of the United States shall simul-  
5           taneously submit to the President and Congress a re-  
6           port that assesses—

7                   (A) the extent to which the Strategy and  
8                   Implementation Plan have been carried out by  
9                   the Federal Government, which shall be judged,  
10                  as appropriate, based on any metrics and indi-  
11                  cators developed to track progress in increasing  
12                  resilience under paragraph (1)(E)(iv);

13                  (B) the effectiveness of the actions taken  
14                  under the Strategy and Implementation Plan  
15                  and the resulting outcomes of those actions in  
16                  building national resilience to climate change;  
17                  and

18                  (C) the progress made towards the develop-  
19                  ment of an effective whole-of-government effort to  
20                  build resilience to the climate vulnerabilities de-  
21                  scribed in the National Climate Assessment or  
22                  other relevant analyses identified by the Chief  
23                  Resilience Officer, including recommendations  
24                  for additional steps necessary to reach this goal.

1           (4) *PUBLIC COMMENT.*—*The Chief Resilience Of-*  
2     *ficer shall—*

3                 (A) *publish draft and final versions of the*  
4     *Strategy and Implementation Plan, and each*  
5     *update to the Strategy and Implementation*  
6     *Plan; and*

7                 (B) *through publication in the Federal Reg-*  
8     *ister, solicit comments from the public on the*  
9     *draft versions of the documents published under*  
10    *subparagraph (A) for a period of 60 days, which*  
11    *the Chief Resilience Officer and the Working*  
12    *Groups shall consider before submitting final*  
13    *versions of the Strategy and Implementation*  
14    *Plan, and updates to the Strategy and Imple-*  
15    *mentation Plan, to the President and Congress.*

16    (f) *SUNSET.*—*This section ceases to be effective on the*  
17    *date that is the earlier of—*

18                 (1) *the date on which the Comptroller General of*  
19    *the United States submits to the President and Con-*  
20    *gress the third assessment report under subsection*  
21    *(e)(3); and*

22                 (2) *the date that is the last day of fiscal year*  
23    *2033.*

Calendar No. 615

117<sup>TH</sup> CONGRESS  
2D Session

**S. 3531**

[Report No. 117-237]

**A BILL**

To require the Federal Government to produce a national climate adaptation and resilience strategy, and for other purposes.

DECEMBER 12, 2022

Reported with an amendment