## Amendment in the Nature of a Substitute to H.R. 6654 Offered by Mr. Grijalva of Arizona

Strike all after the enacting clause and insert the following:

### 1 SECTION 1. SHORT TITLE.

2 This Act may be cited as the "Climate Adaptation3 Science Centers Act" or the "CASC Act".

### 4 SEC. 2. DEFINITIONS.

5 In this Act:

6	(1)	ADAPTATION.—The	term	"adaptation"
7	means—			

8 (A) the process of adjustment to actual or 9 expected climate and the effects of extreme 10 weather, climate trends, and climate variability; 11 and

(B) protection, management, and conservation efforts designed to maintain or enhance the
ability of people, fish, wildlife, plants, land, ecosystems, and water of the United States to
withstand, adjust to, or recover from the effects
of extreme weather, climate trends, and climate
variability.

1	(2) Advisory service activities.—The term
2	"advisory service activities" means activities includ-
3	ing—
4	(A) sharing climate science and climate ad-
5	aptation knowledge between National and Re-
6	gional Climate Adaptation Science Center re-
7	searchers, stakeholders, and other partners;
8	(B) building collaborations between Na-
9	tional and Regional Climate Adaptation Science
10	Center researchers, stakeholders, and other
11	partners; and
12	(C) integrating climate adaptation science
13	into natural and cultural resource management,
14	decision-making and planning.
15	(2) Cultural resources.—The term "cul-
16	tural resources"—
17	(A) means those features and values re-
18	lated to cultural heritage; and
19	(B) includes—
20	(i) biological species with cultural her-
21	itage or ceremonial importance, and his-
22	toric and precontact sites, cultural land-
23	scapes, trails, structures, inscriptions, art,
24	and artifacts on Federal lands or rep-
25	resentative of the culture of Indian Tribes,

1	Native Hawaiians, and Native American
2	Pacific Islanders; and
3	(ii) resources considered to be cultural
4	resources according to the traditional
5	knowledge of Indian Tribes, Native Hawai-
6	ians, and Native American Pacific Island-
7	ers.
8	(3) COMMITTEE.—The term "Committee"
9	means the Advisory Committee on Climate and Nat-
10	ural Resource Sciences established under section 6.
11	(4) CONSORTIUM INSTITUTION.—The term
12	"consortium institution" means college, university,
13	State cooperative institution, State agency, Indian
14	Tribe, Tribal College or University, Historically
15	Black College or University, Tribal organization,
16	Native Hawaiian organization, minority-serving in-
17	stitution, or other educational institution or organi-
18	zation, Federal agency, public or private organiza-
19	tion, or any other party within each regional center
20	other than the United States Geological Survey and
21	the host institution.
22	(5) DEPARTMENT.—The term "Department"
23	means the Department of the Interior.
24	(6) ECOSYSTEM SERVICES.—The term "eco-
25	system services' means those benefits that eco-

systems provide humans and human society, includ ing clean air, clean water, and other economically
 important services.

4 (7) HISTORICALLY BLACK COLLEGES AND UNI5 VERSITIES.—The term "Historically Black Colleges
6 and Universities" has the same meaning given the
7 term "part B institutions" in section 322 of the
8 Higher Education Act of 1965 (20 U.S.C. 1061).

9 (8) HOST INSTITUTION.—The term "host insti10 tution" means the non-Federal lead organization
11 within each regional center.

(9) INDIAN TRIBE.—The term "Indian Tribe"
has the meaning given the term in section 4 of the
Indian Self-Determination and Education Assistance
Act (25 U.S.C. 5304(e)).

16 MINORITY-SERVING INSTITUTION.—The (10)17 term "minority-serving institution" means a His-18 panic-serving institution, an Alaska Native-serving 19 institution, a Native Hawaiian-serving institution, a 20 Predominantly Black Institution, an Asian American 21 and Native American Pacific Islander-serving insti-22 tution, or a Native American-serving nontribal insti-23 tution (as described in section 371 of the Higher 24 Education Act of 1965 (20 U.S.C. 1067q(a))).

1	(11) NATIONAL CENTER.—The term "National
2	Center' means the National Climate Adaptation
3	Science Center established under section 3(a).
4	(12) NATIVE AMERICAN PACIFIC ISLANDERS.—
5	The term "Native American Pacific Islanders"
6	means any descendent of the aboriginal people of
7	any island in the Pacific Ocean that is a territory
8	of the United States.
9	(13) NATIVE HAWAIIAN.—The term "Native
10	Hawaiian" means any individual who is a descend-
11	ant of the aboriginal people who, prior to 1778, oc-
12	cupied and exercised sovereignty in the area that
13	now constitutes the State of Hawaii.
14	(14) NATIVE HAWAIIAN ORGANIZATION.—The
15	term "Native Hawaiian organization" means—
16	(A) the Office of Hawaiian Affairs;
17	(B) Hui Malama I Na Kupuna O Hawai'i
18	Nei; and
19	(C) any other organization that—
20	(i) serves and represents the interests
21	of Native Hawaiians;
22	(ii) has as a primary and stated pur-
23	pose the provision of services to Native
24	Hawaiians; and

1	(iii) has expertise in Native Hawaiian
2	Affairs, and shall include
3	(15) NATURAL RESOURCES.—The term "nat-
4	ural resources" has the meaning given that term in
5	section 11.14 of title 43, Code of Federal Regula-
6	tions.
7	(16) REGIONAL CENTER.—The term "regional
8	center" means one of the Regional Climate Adapta-
9	tion Science Centers established under section 3(a)
10	that provide support for specific geographic locations
11	in the United States.
12	(17) SECRETARY.—The term "Secretary"
13	means the Secretary of the Interior.
14	(18) STATE.—The term "State" means—
15	(A) a State of the United States;
16	(B) the District of Columbia;
17	(C) American Samoa;
18	(D) Guam;
19	(E) the Commonwealth of the Northern
20	Mariana Islands;
21	(F) Puerto Rico; and
22	(G) the Virgin Islands of the United
23	States.

1	(19) TRIBAL COLLEGE OR UNIVERSITY.—The
2	term "Tribal College or University" means an insti-
3	tution that—
4	(A) qualifies for funding under the Tribally
5	Controlled Colleges and Universities Assistance
6	Act of 1978 (25 U.S.C. 1801 et seq.) or the
7	Navajo Community College Act (25 U.S.C.
8	640a note); or
9	(B) is cited in section 532 of the Equity in
10	Educational Land-Grant Status Act of 1994 (7
11	U.S.C. 301 note).
12	(20) TRIBAL ORGANIZATION.—The term "Trib-
13	al organization" means—
14	(A) the recognized governing body of any
15	Indian Tribe; or
16	(B) any legally established organization of
17	Indians that is—
18	(i) controlled, sanctioned, or chartered
19	by the recognized governing body of an In-
20	dian Tribe; or
21	(ii)(I) democratically elected by the
22	adult members of the Indian community to
23	be served by such organization; and

1	(II) includes the maximum participa-
2	tion of Indians in all phases of its activi-
3	ties.
4	(21) UNIVERSITY.—The term "university" has
5	the meaning given to the term "institution of higher
6	education" in section 101(a) of the Higher Edu-
7	cation Act of 1965 (20 U.S.C. 1001(a)).
8	SEC. 3. ESTABLISHMENT AND DUTIES.
9	(a) Establishment.—
10	(1) IN GENERAL.—The Secretary, in collabora-
11	tion with States, Indian Tribes, and other partner
12	organizations, shall establish a program to be known
13	as the "National and Regional Climate Adaptation
14	Science Centers", which shall—
15	(A) provide scientific expertise to agencies,
16	organizations, individuals, Indian Tribes, tribal
17	organizations, and Native Hawaiian organiza-
18	tions engaged in the management of natural re-
19	sources, cultural resources, and ecosystem serv-
20	ices for the purpose of informing decisions that
21	aid adaptation to a changing climate and ex-
22	treme weather events; and
23	(B) include a National Climate Adaptation
24	Science Center and Regional Climate Adapta-
25	tion Science Centers.

1	(2) CHIEF; DIRECTORS.—
2	(A) CHIEF.—The Chief of the National
3	Center shall be a United States Geological Sur-
4	vey employee and shall be responsible for na-
5	tional-scale and network-wide strategic initia-
6	tives, science direction, and partnerships.
7	(B) DIRECTORS.—Each regional center
8	shall have—
9	(i) a Federal Director who shall—
10	(I) be a United States Geological
11	Survey employee;
12	(II) report directly to the Chief
13	of the National Center; and
14	(III) be responsible for region-
15	specific and cross-regional strategic
16	initiatives and implementation of cli-
17	mate science research agendas; and
18	(ii) a Host Institution Director who
19	shall—
20	(I) carry out the terms and con-
21	ditions of the financial assistance
22	award;
23	(II) lead the institutional consor-
24	tium in each region; and

1	(III) oversee training and capac-
2	ity building at the host and consor-
3	tium institutions.
4	(C) COOPERATIVE WORK.—Each Regional
5	Federal Director and each Host Institution Di-
6	rector shall work cooperatively to further the
7	mission of the relevant regional center.
8	(D) Administration.—The National Cen-
9	ter and all regional centers shall be adminis-
10	tered by the United States Geological Survey.
11	(b) DUTIES OF THE NATIONAL CENTER.—In collabo-
12	ration with Federal agencies, States, Indian Tribes, Tribal
13	organizations, Native Hawaiians, Native Hawaiian organi-
14	zations, Native American Pacific Islanders, and other
15	partner organizations, the National Center shall—
16	(1) serve as the national office for the regional
17	centers;
18	(2) provide leadership and guidance on adminis-
19	tration, partnerships, information management, and
20	communications;
21	(3) develop and facilitate coordination among
22	the regional centers;
23	(4) coordinate and collaborate with other Fed-
24	eral agencies working on similar research and activi-
25	ties to—

1	(A) minimize, as much as possible, the du-
2	plication of research and effort; and
3	(B) use, as much as possible, existing data
4	in the development of new or ongoing research;
5	(5) conduct research on cross-regional and na-
6	tional science priorities;
7	(6) support regional centers that—
8	(A) are hosted at a university, or a consor-
9	tium of universities or other research institu-
10	tions, within the region of each regional center;
11	(B) are collaborations between the Federal
12	Director and the Host Institution Director and
13	their staffs to address the broad scientific mis-
14	sion and goals as defined by the National Cen-
15	ter in a manner that is relevant to its specific
16	geographic region and in cooperation with State
17	and local governments, Indian Tribes, Tribal
18	organizations, Native Hawaiians, Native Hawai-
19	ian organizations, Native American Pacific Is-
20	landers, and other entities within that region;
21	(C) promote research, education, training,
22	and advisory service activities to stakeholders,
23	Tribal governments, and the public via informa-
24	tional publications, trainings, and other out-
25	reach methods; and

1	(D) receive funding at the host institution
2	through cooperative agreements, contracts, and
3	grants under section 4; and
4	(7) acting through the Chief of the National
5	Center, with respect to the regional centers—
6	(A) evaluate and assess the performance of
7	the programs of regional centers every five
8	years, using the priorities, guidelines, and quali-
9	fications established by the Secretary under this
10	section, and determine if the programs are well
11	managed and carry out high-quality research,
12	education, training, and advisory service activi-
13	ties; and
14	(B) subject to the availability of appropria-
15	tions, allocate funding among regional centers
16	so as to—
17	(i) conduct regionally relevant re-
18	search, education, training, and advisory
19	service activities in each of the regions;
20	(ii) encourage collaborations among
21	regional centers to address regional and
22	national priorities established under this
23	section;
24	(iii) ensure successful implementation
25	and operation of regional centers;

1	(iv) to the maximum extent consistent
2	with other provisions of this Act, provide a
3	stable base of funding in support of the re-
4	gional centers on 5-year terms, with addi-
5	tional funds available annually subject to
6	the availability of appropriations;
7	(v) encourage and promote coordina-
8	tion and cooperation between the research,
9	education, training, and advisory service
10	activities of the Department and those of
11	the host and consortium institutions; and
12	(vi) pay the official Federal Govern-
13	ment negotiated overhead rate to the host
14	institution and partners on the basic
15	agreement establishing the location of the
16	regional center.
17	(c) Authorities of the National Center.—The
18	National Center may—
19	(1) procure the services of appropriate public
20	and private agencies and institutions and other
21	qualified persons to conduct its work; and
22	(2) operate and fund a network of not fewer
23	than nine regional centers that shall address the im-
24	pacts of climate trends and variability, including ex-

1	treme weather events, on	natural	and	cultural	re-
2	sources and ecosystem serv	ices.			

3 (d) DESIGNATION OF THE REGIONAL CENTERS.—

4 (1) EXISTING REGIONAL CENTER DESIGNA-5 TIONS.—

6 (A) IN GENERAL.—Any institution or consortium of institutions designated as a regional 7 8 center before the date of enactment of this Act 9 shall participate in one final competition for its 10 status as a regional center upon the conclusion 11 of its existing 5-year term to assure that the 12 host institutions and association consortium in-13 stitutions update proposals recognizing the 14 long-term commitment as a host.

15 (B) RECOMPETES.—After the next com-16 petition for regional center after the date of en-17 actment of this Act, a designated regional cen-18 ter shall not have to recompete on 5-year terms, 19 but shall be subject to review on 5-year terms 20 as described in paragraph (2). After competed, 21 the final agreements shall only be recompeted 22 in the event of a failed review.

23 (2) REVIEWS OF THE REGIONAL CENTERS.—

24 (A) The Chief of the National Center, in25 consultation with the Committee, shall establish

n re- s for nt of donal t the tline sures the
nt of ional t the tline sures
ional t the tline sures
ional t the tline sures
t the tline sures
tline sures
ures
the
con-
host
the
t the
ob-
nerit
the
tions
nter.
n of
o in
ional
1sor-
d of

1	one year. After the one-year probationary pe-
2	riod, the Chief of the National Center shall un-
3	dertake an additional review referred to in sub-
4	paragraph (A)(ii) to determine if the host insti-
5	tution or consortium of institutions shall—
6	(i) continue as a host of a regional
7	center; or
8	(ii) not continue as a host of a re-
9	gional center, in which case the Chief of
10	the National Center shall initiate a com-
11	petitive process to select a new host insti-
12	tution .
13	(D) The Chief of the National Center shall
14	ensure that reviews completed pursuant to this
15	paragraph are publicly available.
16	(2) Changes to consortium institutions.—
17	The Chief of the National Center, in consultation
18	with the Federal Director and Host Institution Di-
19	rector of a regional center, may add or remove con-
20	sortium institutions at any time to address regional
21	and national priorities established under this section.
22	(3) FACA.—Committees, subcommittees, and
23	working groups appointed by Federal Directors of
24	the regional centers pursuant to this subsection shall

not be subject to the Federal Advisory Committee
 Act (5 U.S.C. App.).

3 (e) DUTIES OF THE REGIONAL CENTERS.—In col-4 laboration with Federal and State natural resources agencies and departments, Indian Tribes, Tribal organizations, 5 Native Hawaiians, Native Hawaiian organizations, Native 6 7 American Pacific Islanders, Tribal Colleges or Univer-8 sities, Historically Black Colleges or Universities, minor-9 ity-serving institutions, universities, other research or educational institutions, and other partner organizations, re-10 gional centers shall develop research, education, training, 11 12 and advisory service priorities regarding the impacts of climate trends and variability on natural and cultural re-13 14 source management in their regions for the purpose of cli-15 mate adaptation.

(f) PROJECT SOLICITATION .—Subject to the availability of appropriations, each regional center shall undergo a project solicitation process annually that shall—

19 (1) include regionally identified science priority20 topics;

(2) work with science partners in the region to
develop a scientific review process to assure the
highest quality of proposals are selected; and

(3) final decisions on annual project selections
 shall be made by the Federal Directors of the re gional centers.

# 4 SEC. 4. GENERAL AUTHORITY TO ENTER INTO CONTRACTS, 5 GRANTS, COOPERATIVE AGREEMENTS, AND 6 INTERAGENCY AGREEMENTS.

7 (a) AUTHORITY.—The Director of the United States 8 Geological Survey is authorized to enter into contracts, 9 grants, and cooperative agreements with a host institution or consortium institution to further the research, edu-10 cation, training, and advisory service activities of the De-11 12 partment or its partners relating to impacts of climate trends and variability. This authority supplements all 13 other laws relating to the Department and is not to be 14 15 construed as limiting or repealing any existing authorities. (b) LEGAL INSTRUMENTS.—The Director of the 16 17 United States Geological Survey may use a contract,

18 grant, cooperative agreement, or interagency agreement as
19 the legal instrument reflecting a relationship between the
20 Secretary and a host institution or consortium institution,
21 to further the duties under section 3 without regard to—

- 22 (1) any requirements for competition;
- 23 (2) section 6101 of title 41, United States24 Code; or

(3) subsections (a) and (b) of section 3324 of
 title 31, United States Code.

3 (c) PARTICIPATION OF FEDERAL AGENCIES.—Not-4 withstanding any other provision of law, any Federal 5 agency may participate in any such cooperative agreement 6 under this section by contributing funds through the Na-7 tional Center or otherwise if it is mutually agreed that 8 the objectives of the agreement shall further the author-9 ized programs of the contributing agency.

(d) APPROVAL REQUIRED.—In any case where a contract is let or grant made to an organization to perform
services benefitting more than one Indian Tribe, the approval of each such Indian Tribe shall be a prerequisite
to the letting or making of such contract or grant.

### 15 SEC. 5. INTERAGENCY COOPERATION.

16 Each department, agency, or other instrumentality of 17 the Federal Government, that is engaged in or concerned 18 with, or that has authority over, matters relating to nat-19 ural and cultural resources, ecosystem services, or climate 20 variability or change, including all member agencies of the 21 United States Global Change Research Program—

(1) shall, upon a written request from the Secretary, furnish any available data or other information that the Secretary deems necessary to carry out
any provision of section 3;

(2) shall cooperate with the National Center,
 regional centers, and duly authorized officials there of;

4 (3) may make available, on a reimbursable
5 basis or otherwise, any personnel (with their consent
6 and without prejudice to their position and rating),
7 service, or facility which the Chief of the National
8 Center deems necessary to carry out any provision
9 of section 3; and

10 (4) may transfer budgetary resources or other-11 wise enter into interagency agreements, including 12 funding, facilities, computational resources, data, or 13 other tangible or intangible resources, between the 14 National Center or regional centers to aid collabo-15 rative work among Federal agencies, when approved by the Chief of the National Center and their coun-16 17 terpart in the other Federal agency.

#### 18 SEC. 6. COMMITTEES.

(a) AUTHORITY TO ESTABLISH COMMITTEES.—The
Chief of the National Center may establish committees or
working groups and procedures to facilitate public participation in the advisory process, such as a national advisory
committee for the National Center, stakeholder advisory
committees and science implementation panels for the re-

gional centers, and working groups for review of competi tive.

3 (b) Advisory Committee.—

4	(1) ESTABLISHMENT.—Not later than 180 days
5	after the date of the enactment of this Act, and pur-
6	suant to the Federal Advisory Committee Act (5
7	U.S.C. App.), the Secretary shall establish an Advi-
8	sory Committee on Climate and Natural Resource
9	Sciences to advise the National and Regional Cli-
10	mate Adaptation Science Centers on the following:

(A) The contents of a national strategy
identifying key climate adaptation science priorities to advance the management of natural and
cultural resources in the face of climate change.

(B) The nature, extent, and quality of relations with and facilitating engagement of key
partners at the regional center level.

18 (C) The nature and effectiveness of mecha19 nisms to effectively deliver science information
20 and tools, and build capacity, to aid the natural
21 and cultural resource management community
22 and decision-makers in adapting to a changing
23 climate.

1	(D) Mechanisms that may be employed by
2	the National Center to ensure high standards of
3	scientific quality and integrity in its products.
4	(E) The integration of equity, particularly
5	for historically underserved communities, in the
6	operation of the National Center and regional
7	centers.
8	(2) VOTING MEMBERS.—The Committee shall
9	have not fewer than 15 voting members who shall be
10	appointed by the Secretary. Each voting member
11	shall be an employee of—
12	(A) an Indian Tribe;
13	(B) a Tribal organization;
14	(C) a Native Hawaiian organization;
15	(D) a State or local government;
16	(E) nongovernmental organization whose
17	primary mission is conservation and related sci-
18	entific and advocacy activities;
19	(F) an academic institution; or
20	(G) other sectors, environmental justice or-
21	ganizations, or private industry.
22	(3) Non-voting members.—A Host Institu-
23	tion Director who is elected by the various Host In-
24	stitution Directors shall serve as a non-voting mem-
25	ber of the Committee. No individual is eligible to be

1	a voting member of the Committee if the individual
2	is—
3	(A) a Host Institution Director;
4	(B) a full-time officer or employee of the
5	United States; or
6	(C) a voting member of the Committee
7	who is an applicant for or beneficiary of any
8	grant or contract under this Act shall abstain
9	from voting when there is a conflict of interest.
10	(4) CHAIR.—The Director of the United States
11	Geological Survey shall appoint a Committee Chair
12	from among the members of the Committee.
13	(5) VICE CHAIR.—The Committee shall select
14	one voting member to serve as the Vice Chair, who
15	shall act as Chair in the absence or incapacity of the
16	Chair.
17	(6) NOMINATIONS.—Not less than once each
18	year, the Secretary shall publish a notice in the Fed-
19	eral Register soliciting nominations for membership
20	on the Committee.
21	(7) TERM OF OFFICE.—(A) The term of office
22	of a voting member of the Committee shall be not
23	more than 3 years.

1 (B) No individual may serve more than two 2 consecutive terms as a voting member of the Com-3 mittee. 4 (C) The Chair may extend the term of office of 5 a voting member of the Committee by up to 1 year. 6 (D) Any individual appointed to a partial or full 7 term may be reappointed for one additional full 8 term. 9 (8) DUTIES.—The Committee shall identify and 10 recommend priorities for ongoing research needs on 11 the issues described in section 3(e) to inform the re-12 search priorities of the National Center.

(9) ESTIMATED NUMBER AND FREQUENCY OF
MEETINGS.—The Committee shall meet approximately one to two times annually, and at such other
times as designated by the Director of the United
States Geological Survey.

18 (c) Committees; Working Groups.—

(1) IN GENERAL.—At the direction of the Secretary, the Chief of the National Center may establish committees or working groups to provide input
on the science priorities, implementation of science
programs, review of competitive proposals, and evaluation of the National Center and the regional centers.

(2) MEMBERS.—The committees or working
 groups shall, to the extent practicable, include mem bers from Federal and State government, univer sities, private sector, nongovernmental organizations,
 Indian Tribes, Tribal organizations, and Native Ha waiian organizations.

7 (3) PUBLIC PARTICIPATION.—The Secretary
8 may establish procedures to facilitate public partici9 pation in the advisory process, including providing
10 advance notice of meetings, providing adequate op11 portunity for public input and comment, maintaining
12 appropriate records, and making a record of the pro13 ceedings of meetings available for public inspection.

14 (4) IMPLEMENTATION; AVAILABILITY OF
15 RECORDS.—The Secretary shall ensure that the pro16 cedures described in paragraph (3) are adopted and
17 implemented and that the records described in para18 graph (3) are accurately maintained and available
19 for public inspection.

20 (5) FACA.—(A) The committees or working
21 groups shall not be considered advisory committees
22 under the Federal Advisory Committee Act (5
23 U.S.C. App.).

1	(B) Seeking advice and input under subpara-
2	graph (A) shall not be subject to the Federal Advi-
3	sory Committee Act (5 U.S.C. App.).
4	SEC. 7. AUTHORIZATION OF APPROPRIATIONS.
5	There is authorized to be appropriated to the Sec-
6	retary to carry out this Act not less than—
7	(1) \$84,000,000 for fiscal year 2023;
8	(2) \$94,000,000 for fiscal year 2024;
9	(3) \$104,000,000 for fiscal year 2025;
10	(4) \$114,000,000 for fiscal year 2026; and
11	(5) \$124,000,000 for fiscal year 2027.

### $\times$