

1 **TITLE VIII—COMMITTEE ON**
2 **COMMERCE, SCIENCE, AND**
3 **TRANSPORTATION**

4 **Subtitle A—Next Generation 9–1–1**

5 **SEC. 80101. DEPLOYMENT OF NEXT GENERATION 9–1–1.**

6 (a) APPROPRIATION.—

7 (1) IN GENERAL.—In addition to amounts oth-
8 erwise available, there is appropriated to the Assist-
9 ant Secretary for fiscal year 2022, out of any money
10 in the Treasury not otherwise appropriated,
11 \$470,000,000, to remain available until September
12 30, 2030, to make grants to eligible entities for im-
13 plementing and maintaining Next Generation 9–1–1
14 in accordance with subsection (b).

15 (2) ADMINISTRATIVE EXPENSES.—In addition
16 to amounts otherwise available, there is appropriated
17 to the Assistant Secretary for fiscal year 2022, out
18 of any money in the Treasury not otherwise appro-
19 priated, \$20,000,000, to remain available until Sep-
20 tember 30, 2030, to administer this section.

21 (b) USE OF FUNDS.—An eligible entity may use
22 grant funds received under this section for—

1 (1) costs associated with planning, implementa-
2 tion, and development activities, including such ac-
3 tivities related to the grant application;

4 (2) deployment, operation, and maintenance of
5 interoperable and reliable Next Generation 9–1–1,
6 including ensuring the cybersecurity of Next Genera-
7 tion 9–1–1; and

8 (3) training of personnel related to Next Gen-
9 eration 9–1–1.

10 (c) CLAWBACK.—The Assistant Secretary shall re-
11 cover some or all of the grant funds made available to
12 an eligible entity under this section if—

13 (1) the eligible entity uses the funds for any
14 other purpose than those set forth in subsection (b);

15 (2) the eligible entity fails to establish a fund-
16 ing mechanism for Next Generation 9–1–1 sufficient
17 to cover operations, maintenance, and upgrade costs
18 within 3 years of the establishment of the grant pro-
19 gram;

20 (3) the eligible entity engages in the diversion
21 of any 9–1–1 fee or charge imposed by the eligible
22 entity; or

23 (4) the eligible entity uses funds to purchase,
24 rent, lease, or otherwise obtain covered communica-
25 tions equipment or services (as defined in section 9

1 of the Secure and Trusted Communications Net-
2 works Act of 2019 (47 U.S.C. 1608)).

3 **SEC. 80102. ESTABLISHMENT OF NEXT GENERATION 9-1-1**
4 **CYBERSECURITY CENTER.**

5 In addition to amounts otherwise available, there is
6 appropriated to the National Telecommunications and In-
7 formation Administration for fiscal year 2022, out of any
8 money in the Treasury not otherwise appropriated,
9 \$9,000,000, to remain available until September 30, 2030,
10 for the establishment of a Next Generation 9-1-1 Cyber-
11 security Center to coordinate with State, local, and re-
12 gional governments on the sharing of cybersecurity infor-
13 mation about, the analysis of cybersecurity threats to, and
14 strategies to detect and prevent cybersecurity intrusions
15 relating to, Next Generation 9-1-1.

16 **SEC. 80103. PUBLIC SAFETY NEXT GENERATION 9-1-1 ADVI-**
17 **SORY BOARD.**

18 In addition to amounts otherwise available, there is
19 appropriated to the National Telecommunications and In-
20 formation Administration for fiscal year 2022, out of any
21 money in the Treasury not otherwise appropriated,
22 \$1,000,000, to remain available until September 30, 2030,
23 to establish a Public Safety Next Generation 9-1-1 Advi-
24 sory Board, consisting of public safety officials and 9-1-
25 1 professionals, to provide recommendations to the Assist-

1 ant Secretary with respect to carrying out the duties and
2 responsibilities of the Assistant Secretary related to Next
3 Generation 9–1–1, including with respect to the grant pro-
4 gram established under section 80101.

5 **SEC. 80104. DEFINITIONS.**

6 In this subtitle:

7 (1) 9–1–1 FEE OR CHARGE.—The term “9–1–
8 1 fee or charge” has the meaning given the term in
9 section 6(f)(3)(D) of the Wireless Communications
10 and Public Safety Act of 1999 (47 U.S.C. 615a–
11 1(f)(3)(D)).

12 (2) ASSISTANT SECRETARY.—The term “Assist-
13 ant Secretary” means the Assistant Secretary of
14 Commerce for Communications and Information.

15 (3) COMMONLY ACCEPTED STANDARDS.—The
16 term “commonly accepted standards” means the
17 technical standards followed by the communications
18 industry for network, device, and Internet Protocol
19 connectivity that—

20 (A) ensure interoperability by enabling
21 emergency communications centers to receive,
22 process, and analyze all types of 9–1–1 requests
23 for emergency assistance (including multimedia
24 and data) and share such requests with other
25 emergency communications centers and emer-

1 agency response providers without the need for
2 proprietary interfaces and regardless of juris-
3 diction, equipment, device, software, service
4 provider, or any other factor; and

5 (B) are developed and approved by a
6 standards development organization that is ac-
7 credited by a United States or international
8 standards body through a process—

9 (i) that is consensus-based and open
10 for participation, provides conflict resolu-
11 tion, and invites comment; and

12 (ii) through which standards are made
13 publicly available once approved.

14 (4) ELIGIBLE ENTITY.—The term “eligible enti-
15 ty” means a State or a Tribal organization that
16 has—

17 (A) named a single point of contact to co-
18 ordinate the implementation of Next Generation
19 9–1–1; and

20 (B) developed and submitted a plan for the
21 coordination and implementation of Next Gen-
22 eration 9–1–1 consistent with any requirements
23 of the Assistant Secretary.

1 (5) NEXT GENERATION 9–1–1.—The term
2 “Next Generation 9–1–1” means an interoperable,
3 secure, Internet Protocol-based system that—

4 (A) employs commonly accepted standards;

5 (B) enables emergency communications
6 centers to receive, process, and analyze all types
7 of 9–1–1 requests for emergency assistance;

8 (C) acquires and integrates additional in-
9 formation useful to handling 9–1–1 requests for
10 emergency assistance;

11 (D) supports sharing information related
12 to 9–1–1 requests for emergency assistance
13 among emergency communications centers and
14 emergency response providers without the need
15 for proprietary interfaces and regardless of ju-
16 risdiction, equipment, device, software, service
17 provider, or any other factor; and

18 (E) ensures reliability by enabling ongoing
19 operation, including through the use of geo-di-
20 verse device and network agnostic elements that
21 provide more than 1 physical route between end
22 points with no common points where a single
23 failure at that point would cause the operation
24 of Next Generation 9–1–1 to fail.

1 (6) STATE.—The term “State” means any
2 State of the United States, the District of Columbia,
3 Puerto Rico, American Samoa, Guam, the United
4 States Virgin Islands, the Northern Mariana Is-
5 lands, and any other territory or possession of the
6 United States.

7 **Subtitle B—Other Matters Related**
8 **to Connectivity**

9 **SEC. 80201. OUTREACH.**

10 In addition to amounts otherwise available, there is
11 appropriated to the Federal Communications Commission
12 for fiscal year 2022, out of any money in the Treasury
13 not otherwise appropriated, \$100,000,000, to remain
14 available until September 30, 2031, to conduct outreach
15 and provide education to the public regarding the
16 broadband and communications affordability programs of
17 the Federal Communications Commission to raise aware-
18 ness about the programs and help consumers access the
19 programs.

20 **SEC. 80202. FUTURE OF TELECOMMUNICATIONS COUNCIL.**

21 In addition to amounts otherwise available, there is
22 appropriated to the Secretary of Commerce for fiscal year
23 2022, out of any money in the Treasury not otherwise ap-
24 propriated, \$7,000,000, to remain available until Sep-
25 tember 30, 2031, to establish a council in coordination

1 with the Committee on Commerce, Science, and Transpor-
2 tation of the Senate, the Committee on Energy and Com-
3 merce of the House of Representatives, the Deputy Sec-
4 retary of Commerce, the Assistant Secretary of Commerce
5 for Communications and Information, the Under Sec-
6 retary of Commerce for Standards and Technology, and
7 the Chair of the Federal Communications Commission, to
8 be known as the “Future of Telecommunications Coun-
9 cil”, to advise Congress on the development and adoption
10 of 6G and other advanced wireless communications tech-
11 nologies, including ensuring equity in access to those tech-
12 nologies for communities of color and rural communities.

13 **SEC. 80203. AFFORDABILITY.**

14 (a) DEFINITIONS.—In this section:

15 (1) BROADBAND; BROADBAND SERVICE.—The
16 term “broadband” or “broadband service” has the
17 meaning given the term “broadband internet access
18 service” in section 8.1 of title 47, Code of Federal
19 Regulations, or any successor regulation.

20 (2) COVERED BROADBAND SERVICE.—The term
21 “covered broadband service” means broadband serv-
22 ice being delivered through a broadband network
23 that can easily scale speeds over time to—

24 (A) meet the evolving connectivity needs of
25 households and businesses; and

1 (B) support the deployment of 5G, suc-
2 cessor wireless technologies, and other advanced
3 services.

4 (3) COVERED PUBLIC-PRIVATE PARTNER-
5 SHIP.—The term “covered public-private partner-
6 ship” means a partnership between—

7 (A) a State, 1 or more political subdivi-
8 sions of a State, a utility (including a utility co-
9 operative), a public utility district, a nonprofit
10 organization, a regional planning council, or an
11 economic development authority; and

12 (B) a provider of covered broadband serv-
13 ice.

14 (4) STATE.—The term “State” means any
15 State of the United States, the District of Columbia,
16 Puerto Rico, American Samoa, Guam, the United
17 States Virgin Islands, the Northern Mariana Is-
18 lands, and any other territory or possession of the
19 United States.

20 (b) FUNDING.—

21 (1) PILOT PROJECTS.—In addition to amounts
22 otherwise available, there is appropriated to the Na-
23 tional Telecommunications and Information Admin-
24 istration for fiscal year 2022, out of any money in
25 the Treasury not otherwise appropriated,

1 \$280,000,000, to remain available until September
2 30, 2031, for grants to covered public-private part-
3 nerships for pilot projects to increase access to af-
4 fordable covered broadband service in urban commu-
5 nities, including communities of color and for low-
6 and middle-income consumers, through long-term so-
7 lutions for such affordability.

8 (2) ADMINISTRATION.—In addition to amounts
9 otherwise available, there is appropriated to the Na-
10 tional Telecommunications and Information Admin-
11 istration for fiscal year 2022, out of any money in
12 the Treasury not otherwise appropriated,
13 \$15,000,000, to remain available until September
14 30, 2031, to administer this section.

15 (3) ADVISORY COMMITTEE.—In addition to
16 amounts otherwise available, there is appropriated to
17 the National Telecommunications and Information
18 Administration for fiscal year 2022, out of any
19 money in the Treasury not otherwise appropriated,
20 \$5,000,000, to remain available until September 30,
21 2031, to establish an advisory committee consisting
22 of experts on broadband affordability, to be known
23 as the “Affordable Urban and Suburban Broadband
24 Advisory Committee”, to advise the National Tele-
25 communications and Information Administration,

1 the Federal Communications Commission, and Con-
2 gress on long-term solutions to make broadband
3 more affordable for urban and suburban broadband
4 subscribers.

5 **SEC. 80204. ACCESS TO DEVICES.**

6 (a) DEFINITIONS.—In this section:

7 (1) ASSISTANT SECRETARY.—The term “Assist-
8 ant Secretary” means the Assistant Secretary of
9 Commerce for Communications and Information.

10 (2) CONNECTED DEVICE.—The term “con-
11 nected device” means any of the following devices
12 that meets minimum standards established by the
13 Assistant Secretary:

14 (A) A WiFi-enabled desktop computer.

15 (B) A WiFi-enabled laptop computer.

16 (C) A WiFi-enabled tablet computer.

17 (D) Any similar WiFi-enabled device (ex-
18 cept for a telephone or smartphone).

19 (3) CONNECTED DEVICE DISTRIBUTION PRO-
20 GRAM.—The term “connected device distribution
21 program” means a program approved by the Assist-
22 ant Secretary that makes available connected devices
23 for free or at a low cost to an eligible household.

24 (4) ELIGIBLE HOUSEHOLD.—The term “eligible
25 household” means a household in which—

1 (A) at least one member of the household
2 meets the qualifications for the Lifeline pro-
3 gram of the Federal Communications Commis-
4 sion, except that a household shall be deemed to
5 meet the income component of those qualifica-
6 tions if the household's income is at or below
7 200 percent of the Federal Poverty Guidelines
8 for a household of that size;

9 (B) at least one member of the household
10 has applied for and been approved to receive
11 benefits under the free and reduced price lunch
12 program or the school breakfast program;

13 (C) at least one member of the household
14 has received a Federal Pell Grant in the current
15 award year, if such award is verifiable through
16 the National Verifier or National Lifeline Ac-
17 countability Database or a connected device dis-
18 tribution program verifies eligibility; or

19 (D) at least one member of the household
20 receives assistance through the special supple-
21 mental nutritional program for women, infants,
22 and children.

23 (b) CONNECTED DEVICE GRANT PROGRAM.—

24 (1) APPROPRIATIONS.—

1 (A) IN GENERAL.—In addition to amounts
2 otherwise available, there is appropriated to the
3 Assistant Secretary for fiscal year 2022, out of
4 any money in the Treasury not otherwise ap-
5 propriated, \$475,000,000, to remain available
6 until September 30, 2031, for the awarding of
7 grants to connected device distribution pro-
8 grams in accordance with this section.

9 (B) ADMINISTRATION.—In addition to
10 amounts otherwise available, there is appro-
11 priated to the Assistant Secretary for fiscal
12 year 2022, out of any money in the Treasury
13 not otherwise appropriated, \$20,000,000, to re-
14 main available until September 30, 2031, to ad-
15 minister this section, including providing tech-
16 nical assistance to a connected device distribu-
17 tion program.

18 (C) OUTREACH.—In addition to amounts
19 otherwise available, there is appropriated to the
20 Assistant Secretary for fiscal year 2022, out of
21 any money in the Treasury not otherwise ap-
22 propriated, \$5,000,000, to remain available
23 until September 30, 2031, to conduct outreach
24 related to the availability of grants under this
25 section.

1 (2) USE OF FUNDS.—

2 (A) IN GENERAL.—A connected device dis-
3 tribution program shall use grant funds re-
4 ceived under this section for—

5 (i) the reasonable purchase or refur-
6 bishment cost of connected devices for dis-
7 tribution to eligible households consistent
8 with this section; and

9 (ii) the reasonable administrative
10 costs associated with the distribution of
11 connected devices described in clause (i).

12 (B) LIMITATION.—A connected device dis-
13 tribution program may use grant funds received
14 under this section to provide not more than—

15 (i) 1 connected device to an eligible
16 household that includes not more than 2
17 members over the age of 6; or

18 (ii) 2 connected devices to an eligible
19 household that includes not fewer than 3
20 members over the age of 6.

21 (3) CLAWBACK.—If a connected device distribu-
22 tion program is found to have used grant funds
23 awarded under this section in a manner not per-
24 mitted under this section or is found to have other-
25 wise violated a requirement under this section, the

1 Assistant Secretary shall recover from the program
2 some or all of the grant funds awarded to the pro-
3 gram.

4 **Subtitle C—Distance Learning**

5 **SEC. 80301. ADDITIONAL SUPPORT FOR DISTANCE LEARN-** 6 **ING.**

7 (a) APPROPRIATION.—In addition to amounts other-
8 wise available, there is appropriated to the Emergency
9 Connectivity Fund established under subsection (c)(1) of
10 section 7402 of the American Rescue Plan Act of 2021
11 (Public Law 117–2) for fiscal year 2022, out of any money
12 in the Treasury not otherwise appropriated,
13 \$300,000,000, to remain available until September 30,
14 2030, to provide support under the covered regulations
15 promulgated under subsection (a) of that section, except
16 that amount shall be used to provide support under the
17 covered regulations for costs incurred after the date of en-
18 actment of this Act but before June 30, 2030, regardless
19 of whether those costs are incurred during a COVID–19
20 emergency period (as defined in subsection (d) of that sec-
21 tion).

22 (b) LIMITATION.—None of the funds appropriated
23 under subsection (a) may be used to purchase, rent, lease,
24 or otherwise obtain any covered communications equip-
25 ment or service (as defined in section 9 of the Secure and

1 Trusted Communications Networks Act of 2019 (47
2 U.S.C. 1608)).

3 **Subtitle D—Manufacturing Supply**
4 **Chain and Tourism**

5 **SEC. 80401. MANUFACTURING SUPPLY CHAIN RESILIENCE.**

6 In addition to amounts otherwise available, there is
7 appropriated for fiscal year 2022, out of any money in
8 the Treasury not otherwise appropriated, \$5,000,000,000,
9 to remain available until September 30, 2026, to the Of-
10 fice of the Secretary of Commerce, to support the resil-
11 ience of manufacturing supply chains affecting interstate
12 commerce and related administrative costs, by—

13 (1) mapping and monitoring manufacturing
14 supply chains;

15 (2) facilitating and supporting the establish-
16 ment of voluntary standards, guidelines, and best
17 practices relevant to the resilience of manufacturing
18 supply chains;

19 (3) identifying, accelerating, promoting, dem-
20 onstrating, and deploying technological advances for
21 manufacturing supply chains; and

22 (4) providing grants, loans, and loan guarantees
23 to maintain and improve manufacturing supply
24 chain resiliency.

1 **SEC. 80402. DESTINATION MARKETING ORGANIZATION**
2 **GRANT PROGRAM TO PROMOTE DOMESTIC**
3 **TRAVEL.**

4 (a) GRANTS FOR DOMESTIC MARKETING ORGANIZA-
5 TIONS.—In addition to amounts otherwise available, there
6 is appropriated for fiscal year 2022, out of any money in
7 the Treasury not otherwise appropriated, \$47,500,000, to
8 remain available until September 30, 2024, to the Sec-
9 retary of Commerce to award grants to destination mar-
10 keting organizations, as determined by the Secretary, to
11 conduct marketing activities to promote domestic travel
12 within the United States, that meet the criteria of pro-
13 moting a town, city, State, or region that has experienced,
14 and continues to experience, significant job losses in the
15 accommodation, leisure, and hospitality sector as a result
16 of the COVID–19 pandemic, as determined by the Sec-
17 retary.

18 (b) ADMINISTRATIVE COSTS.—In addition to
19 amounts otherwise available, there is appropriated for fis-
20 cal year 2022, out of any money in the Treasury not other-
21 wise appropriated, \$1,500,000, to remain available until
22 September 30, 2027, to the Secretary of Commerce for
23 administrative costs associated with providing grants
24 under subsection (a).

25 (c) DATA ON DOMESTIC TRAVEL AND TOURISM.—
26 In addition to amounts otherwise available, there is appro-

1 priated for fiscal year 2022, out of any money in the
2 Treasury not otherwise appropriated, \$1,000,000, to re-
3 main available until September 30, 2027, to the Secretary
4 of Commerce to collect and make public data on domestic
5 travel and tourism by individuals traveling between points
6 within the United States, including the impact of the
7 COVID–19 pandemic on domestic travel and tourism and
8 employment in the accommodation, leisure, and hospitality
9 sector.

10 **Subtitle E—FTC Privacy**
11 **Enforcement**

12 **SEC. 80501. FEDERAL TRADE COMMISSION FUNDING FOR A**
13 **PRIVACY BUREAU AND RELATED EXPENSES.**

14 In addition to amounts otherwise available, there is
15 appropriated for fiscal year 2022, out of any money in
16 the Treasury not otherwise appropriated, \$500,000,000,
17 to remain available until September 30, 2029, to the Fed-
18 eral Trade Commission to create and operate a bureau,
19 including by hiring and retaining technologists, user expe-
20 rience designers, and other experts as the Commission
21 considers appropriate, to accomplish its work related to
22 unfair or deceptive acts or practices relating to privacy,
23 data security, identity theft, data abuses, and related mat-
24 ters.

1 **SEC. 80502. FEDERAL TRADE COMMISSION.**

2 Section 5(m)(1)(A) of the Federal Trade Commission
3 Act (15 U.S.C. 45(m)(1)(A)) is amended—

4 (1) by inserting “this Act’s prohibition of unfair
5 or deceptive acts or practices or” after “violates” the
6 first place it appears; and

7 (2) by inserting “a violation of this Act or”
8 after “unfair or deceptive and”.

9 **Subtitle F—Department of**
10 **Commerce Inspector General**

11 **SEC. 80601. FUNDING FOR THE OFFICE OF INSPECTOR GEN-**
12 **ERAL OF THE DEPARTMENT OF COMMERCE.**

13 In addition to amounts otherwise available, there is
14 appropriated for fiscal year 2022, out of any money in
15 the Treasury not otherwise appropriated, \$5,000,000, to
16 remain available until September 30, 2030, to the Office
17 of Inspector General of the Department of Commerce for
18 oversight of activities supported with funds appropriated
19 to the Department of Commerce in this Act.

20 **Subtitle G—Economic Development**

21 **SEC. 80701. MINORITY BUSINESS DEVELOPMENT AGENCY.**

22 In addition to amounts otherwise available, there is
23 appropriated to the Minority Business Development Agen-
24 cy of the Department of Commerce for fiscal year 2022,
25 out of any money in the Treasury not otherwise appro-
26 priated—

1 (1) \$200,000,000, to remain available until
2 September 30, 2026, for entering into agreements
3 with minority-serving institutions of higher edu-
4 cation or consortiums of institutions of higher edu-
5 cation that are led by minority-serving institutions
6 of higher education to operate a rural business cen-
7 ter to assist minority business enterprises located in
8 rural areas, priority for which shall be given to insti-
9 tutions that have financial need and are located in
10 areas that have a significant population of socially
11 or economically disadvantaged individuals; and

12 (2) \$1,000,000,000, to remain available until
13 September 30, 2026, for entering into grants and
14 agreements to—

15 (A) assist the formation and growth of mi-
16 nority business enterprises;

17 (B) establish and provide Federal assist-
18 ance to minority business centers, specialty cen-
19 ters, and minority business enterprises;

20 (C) make grants to private, nonprofit orga-
21 nizations that can demonstrate that a primary
22 activity of the organization is to provide serv-
23 ices to minority business enterprises, priority
24 for which shall be given to organizations located

1 in a Federally recognized area of economic dis-
2 tress; and

3 (D) provide grants and assistance to mi-
4 nority-serving institutions of higher education
5 to develop and implement entrepreneurship cur-
6 ricula and participate in the business center
7 program of the Minority Business Development
8 Agency; and

9 (3) \$400,000,000, to remain available until
10 September 30, 2029, to—

11 (A) establish not less than 5 regional of-
12 fices of the Minority Business Development
13 Agency, 1 of which shall be established in each
14 region of the United States, as determined by
15 the Secretary;

16 (B) assist the formation and growth of mi-
17 nority business enterprises;

18 (C) collect data relating to the needs and
19 development of minority business enterprises;

20 (D) annually review the status of problems
21 and programs relating to capital formation by
22 minority business enterprises; and

23 (E) carry out this section.

1 **Subtitle H—National Oceanic and**
2 **Atmospheric Administration**

3 **SEC. 80801. INVESTING IN COASTAL COMMUNITIES AND**
4 **CLIMATE RESILIENCE.**

5 (a) IN GENERAL.—In addition to amounts otherwise
6 available, there is appropriated to the National Oceanic
7 and Atmospheric Administration for fiscal year 2022, out
8 of any money in the Treasury not otherwise appropriated,
9 \$6,000,000,000, to remain available until September 30,
10 2026, to provide funding through direct expenditure, con-
11 tracts, grants, cooperative agreements, or technical assist-
12 ance to coastal states (as defined in paragraph (4) of sec-
13 tion 304 of the Coastal Zone Management Act of 1972
14 (16 U.S.C. 1453(4))), the District of Columbia, Tribal
15 Governments, nonprofit organizations, local governments,
16 and institutions of higher education (as defined in sub-
17 section (a) of section 101 of the Higher Education Act
18 of 1965 (20 U.S.C. 1001(a))), for the conservation, res-
19 toration, and protection of coastal and marine habitats
20 and resources, including fisheries, to enable coastal com-
21 munities to prepare for extreme storms and other chang-
22 ing climate conditions, and for projects that support nat-
23 ural resources that sustain coastal and marine resource
24 dependent communities, and for related administrative ex-

1 penses. None of the funds provided by this section shall
2 be subject to cost-sharing or matching requirements.

3 (b) **TRIBAL GOVERNMENT DEFINED.**—In this sec-
4 tion, the term “Tribal Government” means the recognized
5 governing body of any Indian or Alaska Native tribe,
6 band, nation, pueblo, village, community, component band,
7 or component reservation, individually identified (includ-
8 ing parenthetically) in the list published most recently as
9 of the date of enactment of this subsection pursuant to
10 section 104 of the Federally Recognized Indian Tribe List
11 Act of 1994 (25 U.S.C. 5131).

12 **SEC. 80802. PACIFIC SALMON RESTORATION AND CON-**
13 **SERVATION.**

14 In addition to amounts otherwise available, there is
15 appropriated to the National Oceanic and Atmospheric
16 Administration for fiscal year 2022, out of any money in
17 the Treasury not otherwise appropriated, \$1,000,000,000,
18 to remain available until September 30, 2026, for the pur-
19 poses of supporting the restoration and conservation of
20 Pacific salmon and steelhead populations and the habitat
21 of those populations, including by improving climate resil-
22 ience and climate adaptation, and for related administra-
23 tive expenses.

1 **SEC. 80803. MARINE FISHERIES INFRASTRUCTURE.**

2 (a) IN GENERAL.—In addition to amounts otherwise
3 available, there is appropriated to the National Oceanic
4 and Atmospheric Administration for fiscal year 2022, out
5 of any money in the Treasury not otherwise appropriated,
6 \$400,000,000, to remain available until September 30,
7 2026, for grants to States and Tribal Governments, to re-
8 pair, replace, and upgrade hatchery infrastructure for the
9 production of a fishery (as defined in paragraph (13) of
10 section 3 of the Magnuson-Stevens Fishery Conservation
11 and Management Act (16 U.S.C. 1802(13))) that is in-
12 cluded in a fishery management plan or plan amendment
13 approved by the Secretary of Commerce under subsection
14 (a) of section 301 of the Magnuson-Stevens Fishery Con-
15 servation and Management Act (16 U.S.C. 1851(a)), and
16 for related administrative expenses.

17 (b) TRIBAL GOVERNMENT.—In this section, the term
18 “Tribal Government” means the recognized governing
19 body of any Indian or Alaska Native tribe, band, nation,
20 pueblo, village, community, component band, or compo-
21 nent reservation, individually identified (including par-
22 enthetically) in the list published most recently as of the
23 date of enactment of this subsection pursuant to section
24 104 of the Federally Recognized Indian Tribe List Act
25 of 1994 (25 U.S.C. 5131).

1 **SEC. 80804. MARINE FISHERIES AND MARINE MAMMAL**
2 **STOCK ASSESSMENTS, SURVEYS, AND RE-**
3 **SEARCH AND MANAGEMENT.**

4 In addition to amounts otherwise available, there is
5 appropriated to the National Oceanic and Atmospheric
6 Administration for fiscal year 2022, out of any money in
7 the Treasury not otherwise appropriated, \$500,000,000,
8 to remain available until September 30, 2026, for pur-
9 poses of Federal fisheries management, marine fisheries
10 conservation, and marine mammal research, including
11 fisheries and marine mammal stock assessments, marine
12 fisheries data collection, surveys, scientific research, and
13 management, acquisition of electronic monitoring equip-
14 ment for fishery participants, transitional gear research,
15 and ecosystem-based assessments in support of marine
16 fish species, including fisheries managed under section
17 303 of the Magnuson-Stevens Fishery Conservation and
18 Management Act (16 U.S.C. 1853) and subsection (a) of
19 section 117 of the Marine Mammal Protection Act of 1972
20 (16 U.S.C. 1386(a)).

21 **SEC. 80805. FACILITIES OF THE NATIONAL OCEANIC AND**
22 **ATMOSPHERIC ADMINISTRATION AND NA-**
23 **TIONAL MARINE SANCTUARIES.**

24 (a) NATIONAL OCEANIC AND ATMOSPHERIC ADMIN-
25 ISTRATION FACILITIES.—In addition to amounts other-
26 wise available, there is appropriated to the National Oce-

1 anic and Atmospheric Administration for fiscal year 2022,
2 out of any money in the Treasury not otherwise appro-
3 priated, \$300,000,000, to remain available until Sep-
4 tember 30, 2026, for the construction of new facilities (in-
5 cluding facilities in need of replacement) including piers,
6 marine operations facilities, and fisheries laboratories.

7 (b) NATIONAL MARINE SANCTUARIES FACILITIES.—
8 In addition to amounts otherwise available, there is appro-
9 priated to the National Oceanic and Atmospheric Adminis-
10 tration for fiscal year 2022, out of any money in the
11 Treasury not otherwise appropriated, \$100,000,000, to re-
12 main available until September 30, 2026, for the construc-
13 tion of facilities to support the National Marine Sanctuary
14 System established under subsection (c) of section 301 of
15 the National Marine Sanctuaries Act (16 U.S.C. 1431(c)).

16 **SEC. 80806. NOAA EFFICIENT AND EFFECTIVE REVIEWS.**

17 In addition to amounts otherwise available, there is
18 appropriated to the National Oceanic and Atmospheric
19 Administration for fiscal year 2022, out of any money in
20 the Treasury not otherwise appropriated, \$20,000,000, to
21 remain available until September 30, 2026, to conduct
22 more efficient, accurate, and timely reviews for planning,
23 permitting and approval processes through the hiring and
24 training of personnel, and the purchase of technical and
25 scientific services and new equipment, and to improve

1 agency transparency, accountability, and public engage-
2 ment.

3 **SEC. 80807. SEAFOOD IMPORT MONITORING PROGRAM.**

4 In addition to amounts otherwise available, there is
5 appropriated to the National Oceanic and Atmospheric
6 Administration for fiscal year 2022, out of any money in
7 the Treasury not otherwise appropriated, \$2,000,000, to
8 remain available until September 30, 2026, to implement
9 the seafood import monitoring program of the National
10 Oceanic and Atmospheric Administration.

11 **Subtitle I—Science, Space, and**
12 **Technology**

13 **SEC. 80901. NATIONAL AERONAUTICS AND SPACE ADMINIS-**
14 **TRATION INFRASTRUCTURE.**

15 In addition to amounts otherwise available, there are
16 appropriated to the National Aeronautics and Space Ad-
17 ministration for fiscal year 2022, out of any money in the
18 Treasury not otherwise appropriated, \$748,000,000, to re-
19 main available until September 30, 2028, for repair, re-
20 capitalization, modification, modernization, and construc-
21 tion of physical infrastructure and facilities, including re-
22 lated administrative expenses, consistent with the respon-
23 sibilities under sections 31502 and 31503 of title 51,
24 United States Code.

1 **SEC. 80902. NATIONAL AERONAUTICS AND SPACE ADMINIS-**
2 **TRATION CLIMATE RESEARCH AND DEVEL-**
3 **OPMENT.**

4 In addition to amounts otherwise available, there are
5 appropriated to the National Aeronautics and Space Ad-
6 ministration for fiscal year 2022, out of any money in the
7 Treasury not otherwise appropriated, to remain available
8 until September 30, 2028—

9 (1) \$85,000,000 for research and development
10 on subseasonal to seasonal models and observations,
11 climate resilience and sustainability, and for air-
12 borne instruments, campaigns, and surface networks
13 to understand, observe, and mitigate climate change
14 and its impacts, consistent with NASA's mission to
15 expand human knowledge of the Earth, as carried
16 out through programs under the Earth Science Divi-
17 sion, and for research and development activities on
18 upper atmospheric research, and for related adminis-
19 trative expenses;

20 (2) \$30,000,000 for investments in data man-
21 agement and processing to support research, devel-
22 opment, and applications to understand, observe,
23 and mitigate climate change and its impacts, con-
24 sistent with NASA's mission to expand human
25 knowledge of the Earth, as carried out through pro-

1 grams under the Earth Science Division, and for re-
2 lated administrative expenses;

3 (3) \$25,000,000 for research and development
4 to support the wildfire fighting community and im-
5 prove wildfire fighting operations through new and
6 existing programs under the authority of the Admin-
7 istrator of the National Aeronautics and Space Ad-
8 ministration, and for related administrative ex-
9 penses; and

10 (4) \$225,000,000 for aeronautics research and
11 development on sustainable aviation, consistent with
12 sections 40701 and 40702 of title 51, United States
13 Code, and for related administrative expenses.

14 **SEC. 80903. NATIONAL AERONAUTICS AND SPACE ADMINIS-**
15 **TRATION OFFICE OF INSPECTOR GENERAL.**

16 In addition to amounts otherwise available, there are
17 appropriated to the National Aeronautics and Space Ad-
18 ministration for fiscal year 2022, out of money in the
19 treasury not otherwise appropriated, \$2,000,000, to re-
20 main available until September 30, 2030, for the Office
21 of Inspector General to provide oversight over the manage-
22 ment of funds appropriated under sections 80901 and
23 80902.

1 **SEC. 80904. NATIONAL INSTITUTE OF STANDARDS AND**
2 **TECHNOLOGY RESEARCH.**

3 In addition to amounts otherwise available, there is
4 appropriated to the National Institute of Standards and
5 Technology for fiscal year 2022, out of any money in the
6 Treasury not otherwise appropriated \$100,000,000, to re-
7 main available until September 30, 2028, for research on
8 the impact of fire on structures and communities located
9 at the Wildland Urban Interface under the direction of
10 the Institute, and for related administrative expenses.

11 **SEC. 80905. NATIONAL INSTITUTE OF STANDARDS AND**
12 **TECHNOLOGY HOLLINGS MANUFACTURING**
13 **EXTENSION PARTNERSHIP.**

14 In addition to amounts otherwise available, there is
15 appropriated to the National Institute of Standards and
16 Technology for fiscal year 2022, out of any money in the
17 Treasury not otherwise appropriated, \$260,000,000, to re-
18 main available until September 30, 2028, for the Hollings
19 Manufacturing Extension Partnership of the National In-
20 stitute of Standards and Technology established in section
21 25(b) of the National Institute of Standards and Tech-
22 nology Act (15 U.S.C. 278k(b)), including programs es-
23 tablished under section 25A(a) of such Act (15 U.S.C.
24 278k-1(a)) and programs established under section 26(a)
25 of such Act (15 U.S.C. 278l(a)), and for related adminis-
26 trative expenses, except that no funds shall be used to

1 carry out subsections (c)(2), (c)(5), (g), or (l) of section
2 25 of such Act (15 U.S.C. 278k).

3 **SEC. 80906. NATIONAL INSTITUTE OF STANDARDS AND**
4 **TECHNOLOGY MANUFACTURING.**

5 In addition to amounts otherwise available, there is
6 appropriated to the National Institute of Standards and
7 Technology for fiscal year 2022, out of any money in the
8 Treasury not otherwise appropriated—

9 (1) \$220,000,000, to remain available until
10 September 30, 2028, to provide funds for advanced
11 manufacturing research, development, and testbeds,
12 through new and existing programs and public pri-
13 vate partnerships, and for related administrative ex-
14 penses; and

15 (2) \$20,000,000, to remain available until Sep-
16 tember 30, 2028, for the development and execution
17 of a cybersecurity workforce training center, and for
18 related administrative expenses.

19 **SEC. 80907. NATIONAL INSTITUTE OF STANDARDS AND**
20 **TECHNOLOGY RESEARCH INFRASTRUCTURE.**

21 In addition to amounts otherwise available, there is
22 appropriated to the National Institute of Standards and
23 Technology for fiscal year 2022, out of any money in the
24 Treasury not otherwise appropriated, \$650,000,000, to re-
25 main available until September 30, 2028, for the upgrade,

1 replacement, maintenance, or renovation of facilities and
2 equipment as necessary to conduct laboratory activities,
3 and for related administrative expenses.

4 **SEC. 80908. OCEANIC AND ATMOSPHERIC RESEARCH AND**
5 **FORECASTING FOR WEATHER AND CLIMATE.**

6 (a) FORECASTING AND RESEARCH.—In addition to
7 amounts otherwise available, there is appropriated to the
8 National Oceanic and Atmospheric Administration for fis-
9 cal year 2022, out of any money in the Treasury not other-
10 wise appropriated, \$200,000,000, to remain available until
11 September 30, 2026, to accelerate advances and improve-
12 ments in research, observation systems, modeling, fore-
13 casting, assessments, and dissemination of information to
14 the public as it pertains to ocean and atmospheric proc-
15 esses related to weather, coasts, oceans, and climate, and
16 to carry out section 102(a) of the Weather Research and
17 Forecasting Innovation Act of 2017 (15 U.S.C. 8512(a)),
18 and for related administrative expenses.

19 (b) RESEARCH GRANTS AND SCIENCE INFORMATION,
20 PRODUCTS, AND SERVICES.—In addition to amounts oth-
21 erwise available, there are appropriated to the National
22 Oceanic and Atmospheric Administration for fiscal year
23 2022, out of any money in the Treasury not otherwise ap-
24 propriated, to remain available until September 30,
25 2026—

1 (1) \$100,000,000 for competitive grants to
2 fund climate research as it relates to weather, ocean,
3 coastal, and atmospheric processes and conditions,
4 and impacts to marine species and coastal habitat,
5 and for related administrative expenses; and

6 (2) \$100,000,000 for education and training
7 pursuant to section 4002(b)(2) of the America
8 COMPETES Act (33 U.S.C. 893a(b)(2)), and for
9 increased development and dissemination of climate
10 science information, products, and services, in sup-
11 port of climate adaptation preparedness as it relates
12 to weather, ocean, coastal, and atmospheric proc-
13 esses and conditions, impacts to marine species and
14 coastal habitat, and for related administrative ex-
15 penses.

16 (c) RESEARCH INFRASTRUCTURE AND PROCURE-
17 MENT.—In addition to amounts otherwise available, there
18 are appropriated to the National Oceanic and Atmospheric
19 Administration for fiscal year 2022, out of any money in
20 the Treasury not otherwise appropriated, \$100,000,000,
21 to remain available until September 30, 2026, for the pro-
22 vision of research infrastructure that improves accuracy,
23 timing, and dissemination of public information con-
24 cerning extreme climate and weather and for procure-
25 ments necessary to support the activities described in sub-

1 sections (a) and (b), and for related administrative ex-
2 penses.

3 **SEC. 80909. CLIMATE EDUCATION.**

4 In addition to amounts otherwise available, there is
5 appropriated to the National Oceanic and Atmospheric
6 Administration for fiscal year 2022, out of any money in
7 the Treasury not otherwise appropriated, \$20,000,000, to
8 remain available until September 30, 2026, for contracts,
9 grants, and technical assistance for education activities
10 and materials under section 4002(b)(2) of the America
11 COMPETES Act (33 U.S.C. 893a(b)(2)) related to im-
12 proving public understanding of climate change as it re-
13 lates to weather, ocean, coastal, and atmospheric processes
14 and conditions and marine fisheries and resources, and for
15 related administrative expenses.

16 **SEC. 80910. COMPUTING CAPACITY AND RESEARCH FOR**
17 **WEATHER, OCEANS, AND CLIMATE.**

18 In addition to amounts otherwise available, there is
19 appropriated to the National Oceanic and Atmospheric
20 Administration for fiscal year 2022, out of any money in
21 the Treasury not otherwise appropriated, \$200,000,000,
22 to remain available until September 30, 2026, for the pro-
23 curement of additional high-performance computing, data
24 processing capacity, data management, and storage assets,
25 to carry out section 204(a)(2) of the High-Performance

1 Computing Act of 1991 (15 U.S.C. 5524(a)(2)), and for
2 transaction agreements authorized under section
3 301(d)(1)(A) of the Weather Research and Forecasting
4 Innovation Act of 2017 (15 U.S.C. 8531(d)(1)(A)), and
5 for related administrative expenses.

6 **SEC. 80911. ACQUISITION OF HURRICANE FORECASTING**
7 **AIRCRAFT.**

8 In addition to amounts otherwise available, there is
9 appropriated to the National Oceanic and Atmospheric
10 Administration for fiscal year 2022, out of any money in
11 the Treasury not otherwise appropriated, \$139,000,000,
12 to remain available until September 30, 2026, for the ac-
13 quisition of hurricane hunter aircraft under section 413(a)
14 of the Weather Research and Forecasting Innovation Act
15 of 2017 (15 U.S.C. 8549(a)).

16 **SEC. 80912. NATIONAL SCIENCE FOUNDATION CORE RE-**
17 **SEARCH.**

18 In addition to amounts otherwise available, there is
19 appropriated to the National Science Foundation (referred
20 to in this section as “the Foundation”) for fiscal year
21 2022, out of any money in the Treasury not otherwise ap-
22 propriated—

23 (1) \$668,000,000, to remain available until
24 September 30, 2026, to fund or extend new and ex-
25 isting research awards, traineeships, scholarships,

1 and fellowships administered by the National
2 Science Foundation, across all science, technology,
3 engineering, and mathematics disciplines supported
4 by the National Science Foundation, and for related
5 administrative expenses;

6 (2) \$25,000,000, to remain available until Sep-
7 tember 30, 2028, for activities and research to en-
8 sure broad demographic participation in the activi-
9 ties of the Foundation, consistent with the goals
10 under section 526(a)(7) of the America COM-
11 PETES Reauthorization Act of 2010 (42 U.S.C.
12 1862p-14(a)(7)) and section 3(e) of the National
13 Science Foundation Act of 1950 (42 U.S.C.
14 1862(e)), and for related administrative expenses;
15 and

16 (3) \$500,000,000, to remain available until
17 September 30, 2028, for climate change research as
18 it relates to fundamental understanding of physical,
19 chemical, biological, and human systems and the
20 interactions among them, and for related adminis-
21 trative expenses.

1 **SEC. 80913. NATIONAL SCIENCE FOUNDATION TECH-**
2 **NOLOGY, INNOVATION, AND PARTNERSHIPS**
3 **DIRECTORATE.**

4 In addition to amounts otherwise available, there is
5 appropriated to the National Science Foundation for fiscal
6 year 2022, out of any money in the Treasury not otherwise
7 appropriated—

8 (1) \$1,520,000,000, to remain available until
9 September 30, 2026, to fund and administer the Di-
10 rectorate for Technology, Innovation, and Partner-
11 ships, which shall accelerate use-inspired and
12 translational research and the development, commer-
13 cialization, and use of technologies and innovations
14 of national importance, including technologies and
15 innovations relevant to natural disaster mitigation
16 and other societal challenges, through programs of
17 the National Science Foundation, and for related ad-
18 ministrative expenses;

19 (2) \$25,000,000, to remain available until Sep-
20 tember 30, 2028, for research security activities;

21 (3) \$200,000,000, to remain available until
22 September 30, 2028, for research capacity building
23 at historically Black colleges and universities, Tribal
24 Colleges and Universities, Hispanic-serving institu-
25 tions, and other minority-serving institutions, admin-
26 istered through the Directorate for Technology, In-

1 novation, and Partnerships, and for related adminis-
2 trative expenses; and

3 (4) \$55,000,000, to remain available until Sep-
4 tember 30, 2028, to fund cybersecurity education
5 and training, including scholarships, through pro-
6 grams of the National Science Foundation, and for
7 related administrative expenses.

8 **SEC. 80914. NATIONAL SCIENCE FOUNDATION RESEARCH**
9 **INFRASTRUCTURE.**

10 In addition to amounts otherwise available, there is
11 appropriated to the National Science Foundation for fiscal
12 year 2022, out of any money in the Treasury not otherwise
13 appropriated—

14 (1) \$200,000,000 to remain available until Sep-
15 tember 30, 2026, for the repair, renovation, or, in
16 exceptional cases, replacement of obsolete science
17 and engineering facilities primarily devoted to re-
18 search and research training, and for related admin-
19 istrative expenses;

20 (2) \$200,000,000, to remain available until
21 September 30, 2026, for additional mid-scale and
22 major research instrumentation, equipment, and in-
23 frastructure awards under the direction of the Na-
24 tional Science Foundation, and for related adminis-
25 trative expenses; and

1 (3) \$100,000,000, to remain available until
2 September 30, 2028, for academic research facilities
3 modernization and research instrumentation, includ-
4 ing construction, upgrade, renovation, or repair of
5 research infrastructure, at historically Black colleges
6 and universities, Tribal Colleges and Universities,
7 Hispanic-serving institutions, and other minority-
8 serving institutions, through programs of the Na-
9 tional Science Foundation, and for related adminis-
10 trative expenses.

11 **SEC. 80915. NATIONAL SCIENCE FOUNDATION OVERSIGHT.**

12 In addition to amounts otherwise available, there is
13 appropriated to the National Science Foundation for fiscal
14 year 2022, out of any money in the Treasury not otherwise
15 appropriated, \$7,000,000, to remain available until Sep-
16 tember 30, 2030, for administrative expenses of the In-
17 specter General relating to oversight of funds provided to
18 the National Science Foundation under this Act.

19 **Subtitle J—Transportation and**
20 **Infrastructure**

21 **SEC. 81101. TRAFFIC SAFETY CLEARINGHOUSE.**

22 (a) IN GENERAL.—In addition to amounts otherwise
23 made available, there is appropriated for fiscal year 2022,
24 out of any money in the Treasury not otherwise appro-
25 priated, \$47,500,000 to remain available until September

1 30, 2026, for the Administrator of the National Highway
2 Traffic Safety Administration to make 1 or more grants,
3 cooperative agreements, or contracts with 1 or more quali-
4 fied institutions to—

5 (1) operate a national clearinghouse for fair
6 and equitable traffic safety enforcement programs;

7 (2) conduct research relating to, and develop,
8 systems for States to collect traffic safety enforce-
9 ment data, and provide technical assistance to
10 States collecting such data, including the sharing of
11 data to a national database;

12 (3) develop recommendations and best practices
13 to help States collect and use traffic safety enforce-
14 ment data to promote equity and reduce traffic-re-
15 lated fatalities and injuries; and

16 (4) develop information and educational pro-
17 grams relating to implementing equitable traffic
18 safety enforcement best practices to assist States
19 and local communities.

20 (b) ADMINISTRATION.—In addition to amounts oth-
21 erwise made available, there is appropriated for fiscal year
22 2022, out of any money in the Treasury not otherwise ap-
23 propriated, \$2,500,000 to remain available until Sep-
24 tember 30, 2026, for the Administrator of the National

1 Highway Traffic Safety Administration for the salaries,
2 expenses, and costs of administering this section.

3 (c) DEFINITION OF STATE.—In this section the term
4 “State” has the meaning given the term in section 401
5 of title 23, United States Code.

6 **SEC. 81102. PASSENGER RAIL IMPROVEMENT, MODERNIZA-**
7 **TION, AND EMISSIONS REDUCTION GRANTS.**

8 (a) APPROPRIATION.—In addition to amounts other-
9 wise available, there is appropriated to the Secretary of
10 Transportation for fiscal year 2022, out of any money in
11 the Treasury not otherwise appropriated,
12 \$10,000,000,000, to remain available until September 30,
13 2026, for financial assistance under sections 26101 and
14 26106 of title 49, United States Code, to eligible entities
15 for eligible projects.

16 (b) DEFINITIONS.—In this section:

17 (1) CORRIDOR.—The term “corridor” means an
18 existing, modified, or proposed intercity passenger
19 rail service (as defined in section 26106(b)(5) of
20 title 49, United States Code).

21 (2) ELIGIBLE ENTITY.—The term “eligible enti-
22 ty” means—

23 (A) an entity that is eligible to receive fi-
24 nancial assistance under section 26101 of title
25 49, United States Code; and

1 (B) an applicant that is eligible to receive
2 a grant under section 26106 of title 49, United
3 States Code.

4 (3) ELIGIBLE PROJECT.—The term “eligible
5 project” means—

6 (A) a planning project for high-speed rail
7 corridor development that consists of planning
8 activities eligible to receive financial assistance
9 under section 26101(b)(1) of title 49, United
10 States Code; and

11 (B) a capital project for high-speed rail
12 corridor development that—

13 (i) is eligible to receive a grant for a
14 capital project (as defined in section
15 26106(b)(3) of title 49, United States
16 Code); and

17 (ii) directly serves rail stations within
18 urban areas (as published by the Bureau
19 of the Census) that are located in close
20 proximity to a census tract (as published
21 by the Bureau of the Census) within the
22 urban area that has a greater density pop-
23 ulation than the urban area as a whole.

24 (4) HIGH-SPEED RAIL.—The term “high-speed
25 rail” means non-highway ground transportation that

1 is owned or operated by an eligible entity and rea-
2 sonably expected to reach speeds of—

3 (A) 160 miles per hour or faster on a
4 shared use right-of-way; or

5 (B) 186 miles per hour or faster on a dedi-
6 cated right-of-way.

7 (c) ALLOCATION.—Not less than \$1,000,000,000 of
8 the amounts appropriated by subsection (a) shall be used
9 for eligible projects described in subsection (b)(3)(A).

10 (d) FEDERAL SHARE.—For any financial assistance
11 and grants provided pursuant to this section, the Federal
12 share may not exceed 90 percent of the total cost of the
13 eligible project.

14 (e) OVERSIGHT.—Not more than \$100,000,000 of
15 the amounts appropriated by subsection (a) may be used
16 by the Secretary of Transportation for the costs of award
17 and project management of financial assistance provided
18 under this section.

19 **SEC. 81103. ALTERNATIVE FUEL AND LOW-EMISSION AVIA-**
20 **TION TECHNOLOGY PROGRAM.**

21 (a) APPROPRIATION AND ESTABLISHMENT.—For
22 purposes of establishing a competitive grant program to
23 provide grants to eligible entities to carry out projects lo-
24 cated in the United States that produce, transport, blend,
25 or store sustainable aviation fuel, or develop, demonstrate,

1 or apply low-emission aviation technologies, in addition to
2 amounts otherwise available, there are appropriated to the
3 Secretary for fiscal year 2022, out of any money in the
4 Treasury not otherwise appropriated, to remain available
5 until September 30, 2026—

6 (1) \$247,000,000 for projects relating to the
7 production, transportation, blending, or storage of
8 sustainable aviation fuel;

9 (2) \$47,000,000 for projects relating to low-
10 emission aviation technologies; and

11 (3) \$6,000,000 to fund the award of grants
12 under this section, and oversight of the program, by
13 the Secretary.

14 (b) CONSIDERATIONS.—In carrying out subsection
15 (a), the Secretary shall consider, with respect to a pro-
16 posed project—

17 (1) the capacity for the eligible entity to in-
18 crease the domestic production and deployment of
19 sustainable aviation fuel or the use of low-emission
20 aviation technologies among the United States com-
21 mercial aviation and aerospace industry;

22 (2) the projected greenhouse gas emissions
23 from such project, including emissions resulting
24 from the development of the project, and the poten-
25 tial the project has to reduce or displace, on a

1 lifecycle basis, United States greenhouse gas emis-
2 sions associated with air travel;

3 (3) the capacity to create new jobs and develop
4 supply chain partnerships in the United States;

5 (4) for projects related to the production of sus-
6 tainable aviation fuel, the projected lifecycle green-
7 house gas emissions benefits from the proposed
8 project, which shall include feedstock and fuel pro-
9 duction and potential direct and indirect greenhouse
10 gas emissions (including resulting from changes in
11 land use); and

12 (5) the benefits of ensuring a diversity of feed-
13 stocks for sustainable aviation fuel, including the use
14 of waste carbon oxides and direct air capture.

15 (c) COST SHARE.—The Federal share of the cost of
16 a project carried out using grant funds under subsection
17 (a) shall be a maximum of 90 percent of the proposed total
18 cost of the project, and the Secretary shall consider the
19 extent to which a proposed project meets the consider-
20 ations described in subsection (b) in determining the Fed-
21 eral share under this subsection.

22 (d) DEFINITIONS.—In this section:

23 (1) ELIGIBLE ENTITY.—The term “eligible enti-
24 ty” means—

1 (A) a State or local government, including
2 the District of Columbia, other than an airport
3 sponsor;

4 (B) an air carrier;

5 (C) an airport sponsor;

6 (D) an accredited institution of higher edu-
7 cation;

8 (E) a research institution;

9 (F) a person or entity engaged in the pro-
10 duction, transportation, blending, or storage of
11 sustainable aviation fuel in the United States or
12 feedstocks in the United States that could be
13 used to produce sustainable aviation fuel;

14 (G) a person or entity engaged in the de-
15 velopment, demonstration, or application of low-
16 emission aviation technologies; or

17 (H) nonprofit entities or nonprofit con-
18 sortia with experience in sustainable aviation
19 fuels, low-emission aviation technologies, or
20 other clean transportation research programs.

21 (2) FEEDSTOCK.—The term “feedstock” means
22 sources of hydrogen and carbon not originating from
23 unrefined or refined petrochemicals.

24 (3) INDUCED LAND-USE CHANGE VALUES.—
25 The term “induced land-use change values” means

1 the greenhouse gas emissions resulting from the con-
2 version of land to the production of feedstocks and
3 from the conversion of other land due to the dis-
4 placement of crops or animals for which the original
5 land was previously used.

6 (4) LIFECYCLE GREENHOUSE GAS EMIS-
7 SIONS.—The term “lifecycle greenhouse gas emis-
8 sions” means the combined greenhouse gas emis-
9 sions from feedstock production, collection of feed-
10 stock, transportation of feedstock to fuel production
11 facilities, conversion of feedstock to fuel, transpor-
12 tation and distribution of fuel, and fuel combustion
13 in an aircraft engine, as well as from induced land-
14 use change values.

15 (5) LOW-EMISSION AVIATION TECHNOLOGIES.—
16 The term “low-emission aviation technologies”
17 means technologies, produced in the United States,
18 that significantly—

19 (A) improve aircraft fuel efficiency;
20 (B) increase utilization of sustainable avia-
21 tion fuel; or
22 (C) reduce greenhouse gas emissions pro-
23 duced during operation of civil aircraft.

24 (6) SECRETARY.—The term “Secretary” means
25 the Secretary of Transportation.

1 (7) SUSTAINABLE AVIATION FUEL.—The term
2 “sustainable aviation fuel” means liquid fuel, pro-
3 duced in the United States, that—

4 (A) consists of synthesized hydrocarbons;

5 (B) meets the requirements of—

6 (i) ASTM International Standard
7 D7566; or

8 (ii) the co-processing provisions of
9 ASTM International Standard D1655,
10 Annex A1 (or such successor standard);

11 (C) is derived from biomass (in a similar
12 manner as such term is defined in section
13 45K(e)(3) of the Internal Revenue Code of
14 1986), waste streams, renewable energy
15 sources, or gaseous carbon oxides;

16 (D) is not derived from palm fatty acid
17 distillates; and

18 (E) achieves at least a 50 percent lifecycle
19 greenhouse gas emissions reduction in compari-
20 son with petroleum-based jet fuel, as deter-
21 mined by a test that shows—

22 (i) the fuel production pathway
23 achieves at least a 50 percent reduction of
24 the aggregate attributional core lifecycle
25 emissions and the induced land use change

1 values under a lifecycle methodology for
2 sustainable aviation fuels similar to that
3 adopted by the International Civil Aviation
4 Organization with the agreement of the
5 United States; or

6 (ii) the fuel production pathway
7 achieves at least a 50 percent reduction of
8 the aggregate attributional core lifecycle
9 greenhouse gas emissions values and the
10 induced land-use change values under an-
11 other methodology that the Secretary de-
12 termines is—

13 (I) reflective of the latest sci-
14 entific understanding of lifecycle
15 greenhouse gas emissions; and

16 (II) as stringent as the require-
17 ment under clause (i).

18 **SEC. 81104. CLIMATE RESILIENT COAST GUARD INFRA-**
19 **STRUCTURE.**

20 In addition to amounts otherwise available, there is
21 appropriated to the Coast Guard for fiscal year 2022, out
22 of any money in the Treasury not otherwise appropriated,
23 \$650,000,000, to remain available until September 30,
24 2031, for the acquisition, design, and construction of new,
25 or replacement of existing, climate resilient facilities, in-

1 cluding personnel readiness facilities such as family sup-
2 port services facilities, that are threatened by or have been
3 impacted by climate change, as authorized under sections
4 504(e) and 1101(b)(1) of title 14, United States Code.

5 **SEC. 81105. GREAT LAKES ICEBREAKER ACQUISITION.**

6 (a) IN GENERAL.—In addition to amounts otherwise
7 available, there is appropriated to the Coast Guard for fis-
8 cal year 2022, out of any money in the Treasury not other-
9 wise appropriated, \$350,000,000, to remain available until
10 September 30, 2031, for acquisition, design, and construc-
11 tion of a Great Lakes heavy icebreaker, as authorized
12 under section 8107 of the William M. (Mac) Thornberry
13 National Defense Authorization Act for Fiscal Year 2021
14 (Public Law 116–283).

15 (b) LIMITATION.—The funds made available under
16 this section are subject to the condition that the Coast
17 Guard shall not—

18 (1) enter into an agreement involving funds
19 made available under subsection (a) if such agree-
20 ment—

21 (A) is for a term extending beyond Sep-
22 tember 30, 2031; or

23 (B) involves any payment that could be
24 made or funds disbursed using amounts made

1 available under subsection (a) after September
2 30, 2031; or

3 (2) use any other funds available to the Coast
4 Guard to satisfy obligations initially made under
5 subsection (a).

6 **SEC. 81106. PORT INFRASTRUCTURE AND SUPPLY CHAIN**
7 **RESILIENCE.**

8 (a) IN GENERAL.—In addition to amounts otherwise
9 available, there is appropriated for fiscal year 2022, out
10 of any money in the Treasury not otherwise appropriated,
11 \$600,000,000, to remain available until September 30,
12 2026, to the Maritime Administration, for the purposes
13 of making grants for projects to support seaport supply
14 chain resilience, reduction in port congestion, and the de-
15 velopment of shoreside port-related infrastructure nec-
16 essary to support the development of the offshore wind
17 industry through the program under section 50302(e) of
18 title 46, United States Code.

19 (b) LIMITATIONS.—The funds made available under
20 this section are subject to the condition that the Secretary
21 of Transportation shall not—

22 (1) enter into an agreement involving funds
23 made available under subsection (a) if such agree-
24 ment—

1 (A) is for a term extending beyond Sep-
2 tember 30, 2031; or

3 (B) involves any payment that could be
4 made or funds disbursed using amounts made
5 available under subsection (a) after September
6 30, 2031; or

7 (2) use any other funds available to the Sec-
8 retary to satisfy obligations initially made under
9 subsection (a).