

116TH CONGRESS
1ST SESSION

H. R. 3969

To improve efforts to combat marine debris, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

JULY 25, 2019

Ms. BONAMICI (for herself, Mr. BEYER, Mr. FITZPATRICK, Mr. ROONEY of Florida, Mr. LARSEN of Washington, Mr. KILMER, Mr. CASE, Mr. YOUNG, Mr. PAPPAS, Ms. PINGREE, and Mr. CASTEN of Illinois) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure, and in addition to the Committees on Natural Resources, Ways and Means, Foreign Affairs, Energy and Commerce, Science, Space, and Technology, and Agriculture, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To improve efforts to combat marine debris, 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,*

3 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

4 (a) SHORT TITLE.—This Act may be cited as the
5 “Save Our Seas 2.0 Act” or the “SOS 2.0 Act”.

6 (b) TABLE OF CONTENTS.—The table of contents for
7 this Act is as follows:

- Sec. 1. Short title; table of contents.
- Sec. 2. Definitions.
- Sec. 3. Sense of Congress.

TITLE I—ENHANCING THE DOMESTIC MARINE DEBRIS RESPONSE

Subtitle A—Marine Debris Response Trust Fund

- Sec. 101. Marine Debris Response Trust Fund.

Subtitle B—Marine Debris Foundation

- Sec. 111. Establishment and purposes of Foundation.
- Sec. 112. Board of Directors of the Foundation.
- Sec. 113. Rights and obligations of the Foundation.
- Sec. 114. Administrative services and support.
- Sec. 115. Volunteer status.
- Sec. 116. Report requirements; petition of attorney general for equitable relief.
- Sec. 117. United States release from liability.
- Sec. 118. Authorization of appropriations.

Subtitle C—Genius Prize for Save Our Seas Innovations

- Sec. 121. Definitions.
- Sec. 122. Genius prize for Save Our Seas Innovations.
- Sec. 123. Save Our Seas Innovation Steering Committee.
- Sec. 124. Agreement with the marine debris foundation.
- Sec. 125. Judges.
- Sec. 126. Report to Congress.
- Sec. 127. Authorization of appropriations.
- Sec. 128. Termination of authority.

Subtitle D—Other Measures Relating to Combating Marine Debris

- Sec. 131. Prioritization of marine debris in existing innovation and entrepreneurship programs.
- Sec. 132. Expansion of derelict vessel recycling.
- Sec. 133. Incentive for fishermen to collect and dispose of plastic found at sea.
- Sec. 134. Amendments to Marine Debris Program.
- Sec. 135. Marine debris on National Forest System land.

Subtitle E—Studies and Reports

- Sec. 141. Report on opportunities for innovative uses of plastic waste.
- Sec. 142. Report on microfiber pollution.
- Sec. 143. Study on United States plastic pollution data.
- Sec. 144. Report on minimizing the creation of new plastic waste.
- Sec. 145. Study on mass balance methodologies to certify circular polymers.

TITLE II—ENHANCED GLOBAL ENGAGEMENT TO COMBAT MARINE DEBRIS

- Sec. 201. Statement of policy on international cooperation to combat marine debris.
- Sec. 202. Prioritization of efforts and assistance to combat marine debris and improve plastic waste management.
- Sec. 203. United States leadership in international fora.

Sec. 204. Enhancing international outreach and partnership of United States agencies involved in marine debris activities.

Sec. 205. Negotiation of new international agreements.

Sec. 206. Consideration of marine debris in negotiating international agreements.

TITLE III—IMPROVING DOMESTIC INFRASTRUCTURE TO PREVENT MARINE DEBRIS

Sec. 301. Definitions.

Sec. 302. Strategy for improving waste management, recycling, and water management.

Sec. 303. Waste management State revolving funds.

Sec. 303. Waste management.

Sec. 304. Grant programs.

Sec. 306. Study on options to advance technologies for converting plastic waste to chemicals, feedstocks, and other products.

Sec. 307. Study on effects of microplastics in food supplies and sources of drinking water.

Sec. 308. Report on eliminating barriers to increase the collection of recyclable materials.

Sec. 309. Report on economic incentives to spur development of new end-use markets for recycled plastics.

markets for recycled plastics.

I SEC. 2. DEFINITIONS.

2 In this Act:

(1) CIRCULAR ECONOMY.—The term “circular economy” means an economy that uses a systems-focused approach and involves industrial processes and economic activities that—

7 (A) are restorative or regenerative by de-
8 sign;

12 (C) aim for the elimination of waste
13 through the superior design of materials, prod-
14 ucts, and systems (including business models).

1 (2) EPA ADMINISTRATOR.—The term “EPA
2 Administrator” means the Administrator of the En-
3 vironmental Protection Agency.

4 (3) INDIAN TRIBE.—The term “Indian Tribe”
5 has the meaning given the term “Indian tribe” in
6 section 4 of the Indian Self-Determination and Edu-
7 cation Assistance Act (25 U.S.C. 5304).

8 (4) MARINE DEBRIS.—The term “marine de-
9 bris” has the meaning given that term in section 7
10 of the Marine Debris Act (33 U.S.C. 1956).

11 (5) MARINE DEBRIS EVENT.—The term “ma-
12 rine debris event” means an event or related events
13 that affects or may imminently affect the United
14 States involving—

15 (A) marine debris caused by a natural
16 event, including a tsunami, flood, landslide,
17 hurricane, or other natural source;

18 (B) distinct, nonrecurring marine debris,
19 including derelict vessel groundings and con-
20 tainer spills, that have immediate or long-term
21 impacts on habitats with high ecological, eco-
22 nomic, or human-use values; or

23 (C) marine debris caused by an intentional
24 or grossly negligent act or acts that causes sub-
25 stantial economic or environmental harm.

1 (6) NON-FEDERAL FUNDS.—The term “non-
2 Federal funds” means funds provided by—

- 3 (A) a State;
4 (B) an Indian Tribe;
5 (C) a territory of the United States;
6 (D) one or more units of local governments
7 or Tribal organizations (as defined in section 4
8 of the Indian Self-Determination and Education
9 Assistance Act (25 U.S.C. 5304));
10 (E) a private for-profit entity;
11 (F) a nonprofit organization; or
12 (G) a private individual.

13 (7) NONPROFIT ORGANIZATION.—The term
14 “nonprofit organization” means an organization that
15 is described in section 501(c) of the Internal Rev-
16 enue Code of 1986 and exempt from tax under sec-
17 tion 501(a) of such Code.

18 (8) STATE.—The term “State” means—
19 (A) a State;
20 (B) an Indian Tribe;
21 (C) the District of Columbia; and
22 (D) a territory or possession of the United
23 States.

24 (9) UNDER SECRETARY.—The term “Under
25 Secretary” means the Under Secretary of Commerce

1 for Oceans and Atmosphere and Administrator of
2 the National Oceanic and Atmospheric Administra-
3 tion.

4 (10) WASTE MANAGEMENT.—The term “waste
5 management” means the systems, operation, super-
6 vision, and aftercare of processes and equipment
7 used for waste—

- 8 (A) collection;
- 9 (B) transport;
- 10 (C) recovery;
- 11 (D) reuse;
- 12 (E) recycling; and
- 13 (F) safe disposal of waste when recovery,
14 reuse, or recycling are not otherwise available.

15 **SEC. 3. SENSE OF CONGRESS.**

16 It is the sense of Congress that—

17 (1) eliminating plastic waste from the oceans
18 requires a multi-faceted approach, including waste
19 reduction and prevention, reuse and recycling, and
20 innovation;

21 (2) both domestic and international efforts are
22 required to make progress in combating marine de-
23 bris;

24 (3) efforts by States, communities, and corpora-
25 tions to minimize the use of single-use plastic prod-

1 ucts have been successful in raising awareness of the
2 marine debris issue; and

3 (4) while we make progress toward a more sus-
4 tainable future, we must recognize that there is sig-
5 nificant amount of plastic waste that has already
6 been created that must be prevented from entering
7 the oceans through recycling, reuse, repurposing,
8 and other innovative means.

9 **TITLE I—ENHANCING THE DO-**
10 **MESTIC MARINE DEBRIS RE-**
11 **SPONSE**

12 **Subtitle A—Marine Debris**
13 **Response Trust Fund**

14 **SEC. 101. MARINE DEBRIS RESPONSE TRUST FUND.**

15 (a) IN GENERAL.—Subchapter A of chapter 98 of the
16 Internal Revenue Code of 1986 is amended by adding at
17 the end the following:

18 **“SEC. 9512. MARINE DEBRIS RESPONSE TRUST FUND.**

19 “(a) CREATION OF TRUST FUND.—There is estab-
20 lished in the Treasury of the United States a trust fund
21 to be known as the ‘Marine Debris Response Trust Fund’,
22 consisting of such amounts as may be appropriated or
23 credited to the Trust Fund as provided in this section.

24 “(b) PURPOSES OF TRUST FUND.—

1 “(1) IN GENERAL.—Amounts in the Marine De-
2 bris Response Trust Fund shall be available for the
3 National Oceanic and Atmospheric Administration
4 to respond to a marine debris event described in
5 paragraph (2), which may include—

6 “(A) monitoring, response, and prevention;
7 “(B) providing funding to States, terri-
8 tories, Tribes, and other United States Govern-
9 ment and nongovernmental organizations sup-
10 porting prevention, cleanup, and response ef-
11 forts; or

12 “(C) administrative costs relating to dis-
13 tributing amounts from the Trust Fund.

14 “(2) MARINE DEBRIS EVENT DESCRIBED.—A
15 marine debris event described in this paragraph is
16 an event that affects or may affect the United
17 States involving—

18 “(A) marine debris caused by a natural
19 event, including a tsunami, flood, landslide,
20 hurricane, or other natural source;

21 “(B) distinct, nonrecurring marine debris,
22 including derelict vessel groundings and con-
23 tainer spills, that have immediate or long-term
24 impacts on habitats with high ecological, eco-
25 nomic, or human-use values; or

1 “(C) marine debris caused by an inten-
2 tional or grossly negligent act or acts that
3 causes substantial economic or environmental
4 harm.

5 “(c) LIMITATIONS ON EXPENDITURES.—

6 “(1) MAXIMUM PER EVENT.—The maximum
7 amount that may be paid from the Marine Debris
8 Response Trust Fund with respect to any single
9 event may not exceed \$100,000,000.

10 “(2) MINIMUM BALANCE.—A payment may be
11 made from the Marine Debris Response Trust Fund
12 only if the amount in the Trust Fund after the pay-
13 ment will not be less than \$1,000,000.

14 “(3) MAXIMUM BALANCE.—Amounts in the Ma-
15 rine Debris Response Trust Fund may not exceed
16 \$500,000,000.

17 “(d) INITIAL FUNDING.—There are authorized to be
18 appropriated to the Marine Debris Response Trust Fund
19 \$2,000,000 for fiscal year 2020 to establish the Trust
20 Fund.

21 “(e) AUTHORITY TO BORROW.—

22 “(1) IN GENERAL.—There are authorized to be
23 appropriated to the Marine Debris Response Trust
24 Fund, as repayable advances, such sums as may be

1 necessary to carry out the purposes of the Trust
2 Fund.

3 “(2) LIMITATION ON AMOUNT OUTSTANDING.—
4 The maximum aggregate amount of repayable ad-
5 vances to the Marine Debris Response Trust Fund
6 outstanding at any one time may not exceed
7 \$1,000,000.

8 “(3) REPAYMENT OF ADVANCES.—

9 “(A) IN GENERAL.—Advances made to the
10 Marine Debris Response Trust Fund shall be
11 repaid, and interest on such advances shall be
12 paid, to the general fund of the Treasury when
13 the Secretary of Commerce, in consultation with
14 the Secretary of the Treasury, determines that
15 amounts are available for such purposes in the
16 Trust Fund.

17 “(B) FINAL REPAYMENT.—No advance
18 may be made to the Marine Debris Response
19 Trust Fund after September 30, 2035, and all
20 advances to such Fund shall be repaid on or be-
21 fore that date.

22 “(C) RATE OF INTEREST.—Interest on ad-
23 vances made pursuant to this subsection shall
24 be—

1 “(i) at a rate determined by the Sec-
2 retary of the Treasury (as of the close of
3 the calendar month preceding the month in
4 which the advance is made) to be equal to
5 the current average market yield on out-
6 standing marketable obligations of the
7 United States with remaining periods to
8 maturity comparable to the anticipated pe-
9 riod during which the advance will be out-
10 standing, and

11 “(ii) compounded annually.

12 “(f) AVAILABILITY OF FUNDS.—Amounts in the Ma-
13 rine Debris Response Trust Fund shall—

14 “(1) be available without fiscal year limitation
15 and without apportionment; and

16 “(2) shall supplement and not supplant other
17 amounts available for responding to marine debris
18 events.

19 “(g) INVESTMENT.—The Secretary of the Treasury
20 shall invest amounts in the Marine Debris Response Trust
21 Fund in interest bearing obligations of the United States
22 to the extent such amounts are not required to meet cur-
23 rent withdrawals. Interest earned by such investments
24 shall be credited to, and become a part of, the Trust Fund.

1 “(h) ADMINISTRATION.—The Under Secretary of
2 Commerce for Oceans and Atmosphere shall prescribe reg-
3 ulations—

4 “(1) providing for a process for submitting a
5 claim to the Marine Debris Response Trust Fund
6 and for distributing amounts from the Trust Fund
7 pursuant to those claims; and

8 “(2) providing guidance with respect to what
9 constitutes an event for which amounts will be dis-
10 tributed from the Trust Fund.

11 “(i) LIABILITY OF THE UNITED STATES LIMITED TO
12 AMOUNT IN TRUST FUND.—

13 “(1) IN GENERAL.—Any claim filed against the
14 Marine Debris Response Trust Fund may be paid
15 only out of the Trust Fund.

16 “(2) ORDER IN WHICH UNPAID CLAIMS ARE TO
17 BE PAID.—If at any time the Marine Debris Re-
18 sponse Trust Fund has insufficient funds to pay all
19 of the claims out of the Trust Fund at such time,
20 such claims shall, to the extent permitted under
21 paragraph (1), be paid in full in the order in which
22 they were finally determined.

23 “(j) NON-FEDERAL CONTRIBUTIONS TO THE TRUST
24 FUND.—

1 “(1) IN GENERAL.—A gift, award, devise, or
2 bequest, and non-Federal amounts from legal judg-
3 ments or settlements may be accepted by the Marine
4 Debris Response Trust Fund without regard to
5 whether the gift, devise, or bequest is encumbered,
6 restricted, or subject to beneficial interests of private
7 persons if any current or future interest in the gift,
8 devise, or bequest is for the benefit of the Trust
9 Fund.

10 “(2) FOREIGN GIFTS.—Any gifts, awards, de-
11 vises, or bequests given to or received from a person
12 in a foreign country by or to the Marine Debris Re-
13 sponse Trust Fund shall be made only with the con-
14 currence of the Secretary of State, in consultation,
15 as appropriate, with the Administrator of the United
16 States Agency for International Development.”.

17 (b) CLERICAL AMENDMENT.—The table of sections
18 for subchapter A of chapter 98 of such Code is amended
19 by adding at the end the following:

“Sec. 9512. Marine Debris Response Trust Fund.”.

20 **Subtitle B—Marine Debris
21 Foundation**

22 **SEC. 111. ESTABLISHMENT AND PURPOSES OF FOUNDA-
23 TION.**

24 (a) ESTABLISHMENT.—There is established the Ma-
25 rine Debris Foundation (in this subtitle referred to as the

1 “Foundation”). The Foundation is a charitable and non-
2 profit organization and is not an agency or establishment
3 of the United States.

4 (b) PURPOSES.—The purposes of the Foundation
5 are—

6 (1) to encourage, accept, and administer private
7 gifts of property for the benefit of, or in connection
8 with, the activities and services of the National Oce-
9 anic and Atmospheric Administration under the Ma-
10 rine Debris Program established under section 3 of
11 the Marine Debris Act (33 U.S.C. 1952), and other
12 relevant programs and agencies;

13 (2) to undertake and conduct such other activi-
14 ties as will further the efforts of the National Oce-
15 anic and Atmospheric Administration to assess, pre-
16 vent, reduce, and remove marine debris and address
17 the adverse impacts of marine debris on the economy
18 of the United States, the marine environment, and
19 navigation safety;

20 (3) to participate with, and otherwise assist,
21 State, local, and Tribal governments, foreign govern-
22 ments, entities, and individuals in undertaking and
23 conducting activities to assess, prevent, reduce, and
24 remove marine debris and address the adverse im-
25 pacts of marine debris and its root causes on the

1 economy of the United States, the marine environment
2 (including waters in the jurisdiction of the United States, the high seas, and waters in the jurisdiction of other countries), and navigation safety;
3 and

4 (4) to support other Federal actions to reduce
5 marine debris.

6 **SEC. 112. BOARD OF DIRECTORS OF THE FOUNDATION.**

7 (a) ESTABLISHMENT AND MEMBERSHIP.—

8 (1) IN GENERAL.—The Foundation shall have a governing Board of Directors (in this subtitle referred to as the “Board”), which shall consist of the Under Secretary and 12 additional Directors appointed in accordance with subsection (b) from among individuals who are United States citizens.

9 (2) REPRESENTATION OF DIVERSE POINTS OF VIEW.—To the maximum extent practicable, the membership of the Board shall represent diverse points of view relating to the assessment, prevention, reduction, and removal of marine debris.

10 (3) NOT FEDERAL EMPLOYEES.—Appointment as a Director of the Foundation shall not constitute employment by, or the holding of an office of, the United States for the purpose of any Federal law.

11 (b) APPOINTMENT AND TERMS.—

1 (1) APPOINTMENT.—Subject to paragraph (2),
2 after consulting with the EPA Administrator, the
3 Director of the United States Fish and Wildlife
4 Service, the Assistant Secretary of State for the Bu-
5 reau of Oceans and International Environmental and
6 Scientific Affairs, and the Administrator of the
7 United States Agency for International Develop-
8 ment, and considering the recommendations sub-
9 mitted by the Board, the Under Secretary shall ap-
10 point 12 Directors who meet the criteria established
11 by subsection (a), of whom—

12 (A) at least 4 shall be educated or experi-
13 enced in the assessment, prevention, reduction,
14 or removal of marine debris, which may include
15 an individual with expertise in waste manage-
16 ment, recycling, reuse, or a circular economy;

17 (B) at least 2 shall be educated or experi-
18 enced in the assessment, prevention, reduction,
19 or removal of marine debris outside the United
20 States;

21 (C) at least 2 shall be educated or experi-
22 enced in ocean and coastal resource conserva-
23 tion science or policy; and

24 (D) at least 2 shall be educated or experi-
25 enced in international trade or foreign policy.

1 (2) TERMS.—

2 (A) IN GENERAL.—Subject to subparagraph (B), each Director (other than the Under
3 Secretary) shall be appointed for a term of 6
4 years.

5 (B) INITIAL APPOINTMENTS TO NEW MEMBER POSITIONS.—Of the Directors appointed by
6 the Under Secretary under paragraph (1), the
7 Secretary shall appoint, not later than 180 days
8 after the date of the enactment of this Act—

9 (i) four Directors for a term of 6
10 years;

11 (ii) four Directors for a term of 4
12 years; and

13 (iii) four Directors for a term of 2
14 years.

15 (3) VACANCIES.—

16 (A) IN GENERAL.—The Under Secretary
17 shall fill a vacancy on the Board.

18 (B) TERM OF APPOINTMENTS TO FILL UN-
19 EXPIRED TERMS.—An individual appointed to
20 fill a vacancy that occurs before the expiration
21 of the term of a Director shall be appointed for
22 the remainder of the term.

1 (4) REAPPOINTMENT.—An individual (other
2 than an individual described in paragraph (1)) shall
3 not serve more than 2 consecutive terms as a Direc-
4 tor, excluding any term of less than 6 years.

5 (5) REQUEST FOR REMOVAL.—The executive
6 committee of the Board may submit to the Under
7 Secretary a letter describing the nonperformance of
8 a Director and requesting the removal of the Direc-
9 tor from the Board.

10 (6) CONSULTATION BEFORE REMOVAL.—Before
11 removing any Director from the Board, the Under
12 Secretary shall consult with the Assistant Secretary
13 of State for the Bureau of Oceans and International
14 Environmental and Scientific Affairs, the Director of
15 the United States Fish and Wildlife Service, and the
16 EPA Administrator.

17 (c) CHAIRMAN.—The Chairman shall be elected by
18 the Board from its members for a 2-year term.

19 (d) QUORUM.—A majority of the current membership
20 of the Board shall constitute a quorum for the transaction
21 of business.

22 (e) MEETINGS.—The Board shall meet at the call of
23 the Chairman at least once a year. If a Director misses
24 3 consecutive regularly scheduled meetings, that individual

1 may be removed from the Board and that vacancy filled
2 in accordance with subsection (b).

3 (f) REIMBURSEMENT OF EXPENSES.—Members of
4 the Board shall serve without pay, but may be reimbursed
5 for the actual and necessary traveling and subsistence ex-
6 penses incurred by them in the performance of the duties
7 of the Foundation.

8 (g) GENERAL POWERS.—

9 (1) IN GENERAL.—The Board may complete
10 the organization of the Foundation by—

11 (A) appointing officers and employees;
12 (B) adopting a constitution and bylaws
13 consistent with the purposes of the Foundation
14 and the provisions of this subtitle; and
15 (C) undertaking of other such acts as may
16 be necessary to carry out the provisions of this
17 subtitle.

18 (2) LIMITATIONS ON APPOINTMENT.—The fol-
19 lowing limitations apply with respect to the appoint-
20 ment of officers and employees of the Foundation:

21 (A) Officers and employees may not be ap-
22 pointed until the Foundation has sufficient
23 funds to pay them for their service. Officers
24 and employees of the Foundation shall be ap-
25 pointed without regard to the provisions of title

1 5, United States Code, governing appointments
2 in the competitive service, and may be paid
3 without regard to the provisions of chapter 51
4 and subchapter III of chapter 53 of such title
5 relating to classification and General Schedule
6 pay rates.

7 (B) The first officer or employee appointed
8 by the Board shall be the Secretary of the
9 Board who—

10 (i) shall serve, at the direction of the
11 Board, as its chief operating officer; and
12 (ii) shall be knowledgeable and experi-
13 enced in matters relating to the assess-
14 ment, prevention, reduction, and removal
15 of marine debris.

16 SEC. 113. RIGHTS AND OBLIGATIONS OF THE FOUNDATION.

17 (a) IN GENERAL.—The Foundation—

18 (1) shall have perpetual succession;
19 (2) may conduct business throughout the sev-
20 eral States, territories, and possessions of the
21 United States and abroad;

22 (3) shall have its principal offices in the Dis-
23 trict of Columbia or in a county in the State of
24 Maryland or Virginia that borders on the District of
25 Columbia; and

1 (4) shall at all times maintain a designated
2 agent authorized to accept service of process for the
3 Foundation.

4 (b) SERVICE OF PROCESS.—The serving of notice to,
5 or service of process upon, the agent required under sub-
6 section (a)(4), or mailed to the business address of such
7 agent, shall be deemed as service upon or notice to the
8 Foundation.

9 (c) SEAL.—The Foundation shall have an official seal
10 selected by the Board which shall be judicially noticed.

11 (d) POWERS.—

12 (1) IN GENERAL.—To carry out its purposes
13 under section 111, the Foundation shall have, in ad-
14 dition to the powers otherwise given it under this
15 subtitle, the usual powers of a corporation acting as
16 a trustee in the District of Columbia, including the
17 power—

18 (A) to accept, receive, solicit, hold, admin-
19 ister, and use any gift, devise, or bequest, either
20 absolutely or in trust, of real or personal prop-
21 erty or any income therefrom or other interest
22 therein;

23 (B) to acquire by purchase or exchange
24 any real or personal property or interest there-
25 in;

10 (E) to make use of any interest or invest-
11 ment income that accrues as a consequence of
12 actions taken under subparagraph (C) or (D) to
13 carry out the purposes of the Foundation;

14 (F) to use Federal funds to make pay-
15 ments under cooperative agreements to provide
16 substantial long-term benefits for the assess-
17 ment, prevention, reduction, and removal of ma-
18 rine debris;

(H) to borrow money and issue bonds, debentures, or other debt instruments;

11 (K) to do any and all acts necessary and
12 proper to carry out the purposes of the Founda-
13 tion.

21 (e) NOTICE TO MEMBERS OF CONGRESS.—The
22 Foundation may not make a grant of Federal funds in
23 an amount greater than \$100,000 unless, by not later
24 than 15 days before the grant is made, the Foundation
25 provides notice of the grant to the Member of Congress

1 for the congressional district in which the project to be
2 funded with the grant will be carried out.

3 (f) COORDINATION OF INTERNATIONAL EFFORTS.—
4 Any efforts of the Foundation carried out in a foreign
5 country, and any grants provided to an individual or entity
6 in a foreign country, shall be made only with the concur-
7 rence of the Secretary of State, in consultation, as appro-
8 priate, with the Administrator of the United States Agen-
9 cy for International Development.

10 (g) CONSULTATION WITH NOAA.—The Foundation
11 shall consult with the Under Secretary during the plan-
12 ning of any restoration or remediation action using funds
13 resulting from judgments or settlements relating to the
14 damage to trust resources of the National Oceanic and
15 Atmospheric Administration.

16 SEC. 114. ADMINISTRATIVE SERVICES AND SUPPORT.

17 (a) PROVISION OF SERVICES.—The Under Secretary
18 may provide personnel, facilities, and other administrative
19 services to the Foundation, including reimbursement of
20 expenses, not to exceed the current Federal Government
21 per diem rates, for a period of up to 5 years beginning
22 on the date of the enactment of this Act.

23 (b) REIMBURSEMENT.—The Foundation may reim-
24 burse the Under Secretary for any administrative service
25 provided under subsection (a). The Under Secretary shall

1 deposit any reimbursement received under this subsection
2 into the Treasury to the credit of the appropriations then
3 current and chargeable for the cost of providing such serv-
4 ices.

5 **SEC. 115. VOLUNTEER STATUS.**

6 The Secretary of Commerce may accept, without re-
7 gard to the civil service classification laws, rules, or regu-
8 lations, the services of the Foundation, the Board, and
9 the officers and employees of the Board, without com-
10 pensation from the Department of Commerce, as volun-
11 teers in the performance of the functions authorized in
12 this subtitle.

13 **SEC. 116. REPORT REQUIREMENTS; PETITION OF ATTOR-**

14 **NEY GENERAL FOR EQUITABLE RELIEF.**

15 (a) REPORT.—The Foundation shall, as soon as prac-
16 ticable after the end of each fiscal year, transmit to the
17 Committee on Commerce, Science, and Transportation of
18 the Senate and the Committee on Natural Resources and
19 the Committee on Energy and Commerce of the House
20 of Representatives a report—

21 (1) describing the proceedings and activities of
22 the Foundation during that fiscal year, including a
23 full and complete statement of its receipts, expendi-
24 tures, and investments; and

(2) including a detailed statement of the recipient, amount, and purpose of each grant made by the Foundation in the fiscal year.

4 (b) RELIEF WITH RESPECT TO CERTAIN FOUNDA-
5 TION ACTS OR FAILURE To Act.—If the Foundation—

9 (2) refuses, fails, or neglects to discharge its
10 obligations under this subtitle, or threatens to do so,
11 the Attorney General may petition in the United States
12 District Court for the District of Columbia for such equi-
13 table relief as may be necessary or appropriate.

14 SEC. 117. UNITED STATES RELEASE FROM LIABILITY.

15 The United States shall not be liable for any debts,
16 defaults, acts, or omissions of the Foundation nor shall
17 the full faith and credit of the United States extend to
18 any obligation of the Foundation.

19 SEC. 118. AUTHORIZATION OF APPROPRIATIONS.

20 (a) AUTHORIZATION OF APPROPRIATIONS —

21 (1) IN GENERAL.—There are authorized to be
22 appropriated to the Secretary of Commerce such
23 sums as may be necessary to carry out this subtitle
24 for each of fiscal years 2020 through 2025.

(2) USE OF APPROPRIATED FUNDS.—Subject to paragraph (3), amounts made available under paragraph (1) shall be provided to the Foundation to match contributions (whether in currency, services, or property) made to the Foundation, or to a recipient of a grant provided by the Foundation, by private persons and State and local government agencies.

23 (b) ADDITIONAL AUTHORIZATION.—

1 the Foundation may accept Federal funds from a
2 Federal agency under any other Federal law for use
3 by the Foundation to further the assessment, pre-
4 vention, reduction, and removal of marine debris in
5 accordance with the requirements of this subtitle.

6 (2) USE OF FUNDS ACCEPTED FROM FEDERAL
7 AGENCIES.—Federal funds provided to the Founda-
8 tion under paragraph (1) shall be used by the Foun-
9 dation for matching, in whole or in part, contribu-
10 tions (whether in currency, services, or property)
11 made to the Foundation by private persons and
12 State and local government agencies.

13 (c) PROHIBITION ON USE OF GRANT AMOUNTS FOR
14 LITIGATION AND LOBBYING EXPENSES.—Amounts pro-
15 vided as a grant by the Foundation shall not be used for—

16 (1) any expense related to litigation consistent
17 with Federal-wide cost principles; or
18 (2) any activity the purpose of which is to influ-
19 ence legislation pending before Congress consistent
20 with Federal-wide cost principles.

21 **Subtitle C—Genius Prize for Save
22 Our Seas Innovations**

23 **SEC. 121. DEFINITIONS.**

24 In this subtitle:

1 (1) PRIZE COMPETITION.—The term “prize
2 competition” means the competition for the award of
3 the Genius Prize for Save Our Seas Innovations es-
4 tablished under section 122.

5 (2) SECRETARY.—The term “Secretary” means
6 the Secretary of Commerce.

7 **SEC. 122. GENIUS PRIZE FOR SAVE OUR SEAS INNOVA-**
8 **TIONS.**

9 (a) IN GENERAL.—Not later than 1 year after the
10 date of the enactment of this Act, the Secretary shall es-
11 tablish under section 24 of the Stevenson-Wydler Tech-
12 nology Innovation Act of 1980 (15 U.S.C. 3719) a prize
13 competition—

14 (1) to encourage technological innovation with
15 the potential to reduce plastic waste and thereby
16 prevent marine debris; and

17 (2) to award 1 or more prizes biennially for
18 projects that advance human understanding and in-
19 novation in removing and preventing plastic waste,
20 including—

21 (A) advancements in materials used in
22 packaging and other products that, if such
23 products enter the coastal or ocean environ-
24 ment, will fully degrade without harming the
25 environment, wildlife, or human health;

(B) innovations in production and packaging design that reduce the use of raw materials, increase recycled content, encourage reusability and recyclability, and promote a circular economy;

(C) improvements in marine debris detection, monitoring, and cleanup technologies and processes;

(D) technological improvements or improved strategies to increase solid waste collection, processing, sorting, recycling, reuse, or repurposing; and

(E) new designs or strategies to reduce overall packaging needs.

15 (b) DESIGNATION.—The prize competition estab-
16 lished under subsection (a) shall be known as the “Genius
17 Prize for Save Our Seas Innovations”.

18 (c) PRIORITIZATION.—In selecting awards for the
19 prize competition, priority shall be given to projects that—

20 (1) have a strategy, submitted with the applica-
21 tion or proposal, to move the new technology, proc-
22 ess, design, material, or other product supported by
23 the prize to market-scale deployment;

9 SEC. 123. SAVE OUR SEAS INNOVATION STEERING COM-
10 MITTEE.

11 (a) ESTABLISHMENT.—The Secretary shall establish
12 a steering committee, to be known as the “Save Our Seas
13 Innovation Steering Committee” (in this subtitle referred
14 as the “Committee”) to provide expert advice and rec-
15 ommendations in the establishment of the prize competi-
16 tion, selection of awardees, and analysis of the successes
17 of the prize competition.

18 (b) DUTIES.—Subject to subsection (d), with respect

19 to the prize competition, the Committee shall—

20 (1) select a topic;

21 (2) issue a problem statement; and

1 and coastal environments without harming the envi-
2 ronment, wildlife, or human health.

3 (c) COMPETITION JUDGES.—A member of the Com-
4 mittee may serve as a judge for the prize competition
5 under section 125.

6 (d) ADMINISTRATIVE COST REDUCTION.—The Com-
7 mittee shall, to the maximum extent practicable, minimize
8 the administrative costs of the Committee, including by
9 encouraging remote participation to reduce travel costs.

10 (e) CONSULTATION.—In selecting a topic and issuing
11 a problem statement for the prize competition under sub-
12 paragraphs (A) and (B) of subsection (b)(1), respectively,
13 the Committee shall consult widely with Federal and non-
14 Federal stakeholders, including—

15 (1) 1 or more Federal agencies with jurisdiction
16 over the prevention of marine debris or the pro-
17 motion of innovative materials;

18 (2) 1 or more State agencies with jurisdiction
19 over the prevention of marine debris or the pro-
20 motion of innovative materials;

21 (3) 1 or more State, regional, or local conserva-
22 tion or waste management organizations, the mis-
23 sion of which relates to the prevention of marine de-
24 bris or the promotion of innovative materials;

- 1 (4) 1 or more conservation groups, technology
2 companies, research institutions, institutions of higher
3 education, industry associations, or individual
4 stakeholders with an interest in the prevention of
5 marine debris or the promotion of innovative materials;
- 6
- 7 (5) 1 or more experts in the area of standards
8 development regarding the degradation, breakdown,
9 or recycling of polymers; and
- 10 (6) experts in the following areas:
- 11 (A) Polymer chemistry.
- 12 (B) Wildlife conservation and management.
- 13 (C) Marine biology or animal science.
- 14 (D) Waste management.
- 15 (E) Technology development.
- 16 (F) Engineering.
- 17 (G) Lifecycle assessment.
- 18 (H) Economics.
- 19 (I) Recycling.
- 20 (J) Business development and management.
- 21
- 22 (K) Marine environmental chemistry.
- 23 (L) Any other discipline that the Secretary
24 determines to be necessary to achieve the purposes
25 of this subtitle.

1 (f) NONAPPLICABILITY OF THE FEDERAL ADVISORY

2 COMMITTEE ACT.—

3 (1) IN GENERAL.—The Federal Advisory Com-
4 mittee Act (5 U.S.C. App.) shall not apply with re-
5 spect to the Committee.

6 (2) APPLICABILITY OF FINANCIAL DISCLOSURE
7 REQUIREMENTS.—Notwithstanding paragraph (1),
8 section 208(b)(3) of title 18, United States Code,
9 shall apply with respect to Government employees
10 serving on the Committee.

11 **SEC. 124. AGREEMENT WITH THE MARINE DEBRIS FOUNDA-**
12 **TION.**

13 (a) IN GENERAL.—The Secretary shall offer to enter
14 into an agreement, which may include a grant or coopera-
15 tive agreement, under which the Marine Debris Founda-
16 tion established under subtitle B shall administer the prize
17 competition.

18 (b) REQUIREMENTS.—An agreement entered into
19 under subsection (a) shall comply with the following re-
20 quirements:

21 (1) DUTIES.—The Marine Debris Foundation
22 shall—

- 23 (A) advertise the prize competition;
24 (B) solicit prize competition participants;

(C) administer funds relating to the prize competition;

3 (D) receive Federal and non-Federal
4 funds—

5 (i) to administer the prize competi-
6 tion; and

7 (ii) to award a cash prize;

11 (i) the administrative costs of the
12 prize competition; and

(ii) the costs of a cash prize;

14 (F) in consultation with, and subject to
15 final approval by, the Secretary, develop criteria
16 for the selection of prize competition winners;

(H) announce 1 or more annual winners of
the prize competition;

(I) subject to paragraph (2), award 1 or
more cash prizes biennially of not less than
\$100,000; and

4 (J) protect against unauthorized use or
5 disclosure by the Marine Debris Foundation of
6 any trade secret or confidential business infor-
7 mation of a prize competition participant.

(2) ADDITIONAL CASH PRIZES.—The Marine Debris Foundation may award more than 1 cash prize in a year—

(A) may request and accept Federal funds and non-Federal funds for a cash prize or administration of the prize competition;

(B) may accept a contribution for a cash prize in exchange for the right to name the prize; and

8 SEC. 125. JUDGES.

9 (a) APPOINTMENT.—The Secretary shall appoint not
10 fewer than 3 judges who shall, except as provided in sub-
11 section (b), select the 1 or more annual winners of the
12 prize competition.

13 (b) DETERMINATION BY THE SECRETARY.—The
14 judges appointed under subsection (a) shall not select any
15 annual winner of the prize competition if the Secretary
16 makes a determination that, in any fiscal year, none of
17 the technological advancements entered into the prize
18 competition merits an award.

19 SEC. 126. REPORT TO CONGRESS.

20 Not later than 60 days after the date on which a cash
21 prize is awarded under this subtitle, the Secretary shall
22 submit to the Committee on Commerce, Science, and
23 Transportation of the Senate and the Committee on Nat-
24 ural Resources of the House of Representatives a report
25 on the prize competition that includes—

1 (1) a statement by the Committee that de-
2 scribes the activities carried out by the Committee
3 relating to the duties described in section 123;

4 (2) if the Secretary has entered into an agree-
5 ment under section 124, a statement by the Marine
6 Debris Foundation that describes the activities car-
7 ried out by the Marine Debris Foundation relating
8 to the duties described in section 123; and

9 (3) a statement by 1 or more of the judges ap-
10 pointed under section 125 that explains the basis on
11 which the winner of the cash prize was selected.

12 **SEC. 127. AUTHORIZATION OF APPROPRIATIONS.**

13 (a) AUTHORIZATION.—There are authorized to be ap-
14 propriated such sums as may be necessary for expenses,
15 including administrative expenses, relating to the prize
16 competition.

17 (b) REIMBURSEMENT OF EXPENSES.—Members of
18 the Committee and judges appointed under section 125
19 shall serve without pay, but may be reimbursed for the
20 actual and necessary traveling and subsistence expenses.

21 **SEC. 128. TERMINATION OF AUTHORITY.**

22 The prize program will terminate after 5 prize com-
23 petition cycles have been completed.

1 Subtitle D—Other Measures Relat-

2 ing to Combating Marine Debris

3 SEC. 131. PRIORITIZATION OF MARINE DEBRIS IN EXISTING

4 INNOVATION AND ENTREPRENEURSHIP PRO-

5 GRAMS.

6 The Secretary of Commerce, the Secretary of Energy,
7 the EPA Administrator, and the heads of other relevant
8 Federal agencies, shall prioritize efforts to combat marine
9 debris in innovation and entrepreneurship programs estab-
10 lished before the date of the enactment of this Act, includ-
11 ing by using such programs to increase innovation in and
12 the effectiveness of waste management, monitoring, detec-
13 tion, data-sharing related to the prevalence and location
14 of marine debris, demand for recycled content, alternative
15 uses for plastic waste, product design, reduction of dispos-
16 able plastic consumer products and packaging, ocean bio-
17 degradable materials development, waste prevention, and
18 cleanup.

19 SEC. 132. EXPANSION OF DERELICT VESSEL RECYCLING.

Not later than 1 year after the date of the enactment
of this Act, the Under Secretary and the EPA Adminis-
trator shall jointly conduct a study to determine the feasi-
bility of developing a nationwide derelict vessel recycling
program—

- 1 (1) using as a model the fiberglass boat recycling program from the pilot project in Rhode Island
2 led by Rhode Island Sea Grant and its partners; and
3
4 (2) including, if possible, recycling of vessels
5 made from materials other than fiberglass.

6 **SEC. 133. INCENTIVE FOR FISHERMEN TO COLLECT AND**
7 **DISPOSE OF PLASTIC FOUND AT SEA.**

8 (a) IN GENERAL.—The Under Secretary shall establish a pilot program to assess the feasibility and advisability of providing incentives, such as grants, to fishermen based in the United States who incidentally capture marine debris while at sea—

- 13 (1) to track or keep the debris on board; and
14 (2) to dispose of the debris properly on land.

15 (b) SUPPORT FOR COLLECTION AND REMOVAL OF
16 DEREILCT GEAR.—The Under Secretary shall encourage
17 United States efforts, such as the Fishing for Energy net
18 disposal program, that support—

- 19 (1) collection and removal of derelict fishing
20 gear and other fishing waste;
21 (2) disposal or recycling of such gear and
22 waste; and
23 (3) prevention of the loss of such gear.

1 SEC. 134. AMENDMENTS TO MARINE DEBRIS PROGRAM.

2 (a) AUTHORIZATION OF APPROPRIATIONS.—Section
3 9(a) of the Marine Debris Act (33 U.S.C. 1958(a)) is
4 amended by—

5 (1) striking “\$10,000,000” and inserting
6 “\$15,000,000”; and

7 (2) striking “5 percent” and inserting “7 per-
8 cent”.

9 (b) ENHANCEMENT OF PURPOSE.—Section 2 of the
10 Marine Debris Act (33 U.S.C. 1951) is amended by strik-
11 ing “marine environment,” and inserting “marine environ-
12 ment (including waters in the jurisdiction of the United
13 States, the high seas, and waters in the jurisdiction of
14 other countries),”.

**15 SEC. 135. MARINE DEBRIS ON NATIONAL FOREST SYSTEM
16 LAND.**

17 (a) SPECIAL-USE AUTHORIZATION.—The Secretary
18 of Agriculture (referred to in this section as the “Sec-
19 retary”) shall not require a volunteer organization to ob-
20 tain a special-use authorization for the removal of any ma-
21 rine debris being stored on National Forest System land.

22 (b) TEMPORARY STORAGE.—Marine debris may be
23 stored on National Forest System land in a location deter-
24 mined by the Secretary for not more than 60 days.

25 (c) REQUIREMENTS.—Except as otherwise provided
26 in this section, any activities related to the removal of ma-

1 rine debris from National Forest System land shall be con-
2 ducted in a manner consistent with applicable law and reg-
3 ulations and subject to such reasonable terms and condi-
4 tions as the Secretary may require.

5 **Subtitle E—Studies and Reports**

6 **SEC. 141. REPORT ON OPPORTUNITIES FOR INNOVATIVE**

7 **USES OF PLASTIC WASTE.**

8 Not later than 2 years after the date of the enact-
9 ment of this Act, the Marine Debris Coordinating Com-
10 mittee established under section 5 of the Marine Debris
11 Act (33 U.S.C. 1954) (in this subtitle referred to as the
12 “Interagency Marine Debris Coordinating Committee”)
13 shall submit to Congress a report on innovative uses for
14 plastic waste other than in infrastructure.

15 **SEC. 142. REPORT ON MICROFIBER POLLUTION.**

16 Not later than 2 years after the date of the enact-
17 ment of this Act, the Interagency Marine Debris Coordi-
18 nating Committee shall submit to Congress a report on
19 microfiber pollution that includes—

20 (1) a definition for “microfiber”;

21 (2) an assessment of the sources, prevalence,
22 and causes of microfiber pollution;

23 (3) a recommendation for a standardized meth-
24 odology to measure and estimate the prevalence of
25 microfiber pollution;

1 (4) recommendations for reducing microfiber
2 pollution; and

3 (5) a plan for how Federal agencies, in partner-
4 ship with other stakeholders, can lead on opportuni-
5 ties to reduce microfiber pollution during the 5-year
6 period beginning on such date of enactment.

7 **SEC. 143. STUDY ON UNITED STATES PLASTIC POLLUTION**

8 **DATA.**

9 (a) IN GENERAL.—The Under Secretary, in consulta-
10 tion with the EPA Administrator, shall seek to enter into
11 an arrangement with the National Academies of Sciences,
12 Engineering, and Medicine under which the National
13 Academies will undertake a multifaceted study that in-
14 cludes the following:

15 (1) An evaluation of United States contribu-
16 tions to global ocean plastic waste, including types,
17 sources, and geographic variations.

18 (2) An assessment of the prevalence of marine
19 debris and mismanaged plastic waste in saltwater
20 and freshwater United States waterways.

21 (b) REPORT.—Not later than 18 months after the
22 date of the enactment of this Act, the Under Secretary
23 shall submit to Congress a report on the study conducted
24 under subsection (a) that includes—

25 (1) the findings of the National Academies;

1 (2) recommendations on knowledge gaps that
2 warrant further scientific inquiry; and

3 (3) recommendations on the potential value of
4 a national marine debris tracking and monitoring
5 system and how such a system might be designed
6 and implemented.

7 **SEC. 144. REPORT ON MINIMIZING THE CREATION OF NEW**
8 **PLASTIC WASTE.**

9 Not later than 2 years after the date of the enact-
10 ment of this Act, the Interagency Marine Debris Coordi-
11 nating Committee shall submit to Congress a report on
12 minimizing the creation of new plastic waste.

13 **SEC. 145. STUDY ON MASS BALANCE METHODOLOGIES TO**
14 **CERTIFY CIRCULAR POLYMERS.**

15 (a) IN GENERAL.—The National Institute of Stand-
16 ards and Technology shall conduct a study of available
17 mass balance methodologies that are or could be readily
18 standardized to certify circular polymers.

19 (b) REPORT.—Not later than 1 year after the date
20 of enactment of this Act, the Institute shall submit to Con-
21 gress a report on the study conducted under subsection
22 (a) that includes—

23 (1) an identification and assessment of existing
24 mass balance methodologies, standards, and certifi-
25 cation systems that are or may be applicable to sup-

1 ply chain sustainability of polymers, considering the
2 full life cycle of the polymer, and including an exam-
3 ination of—

4 (A) the International Sustainability and
5 Carbon Certification; and

6 (B) the Roundtable on Sustainable Bio-
7 materials; and

8 (2) an assessment of any legal or regulatory
9 barriers to developing a standard and certification
10 system for circular polymers.

11 (c) DEFINITIONS.—In this section:

12 (1) CIRCULAR POLYMERS.—The term “circular
13 polymers” means polymers that can be reused mul-
14 tiple times or converted into a new, higher-quality
15 product.

16 (2) MASS BALANCE METHODOLOGY.—The term
17 “mass balance methodology” means the method of
18 chain of custody accounting designed to track the
19 exact total amount of certain content in products or
20 materials through the production system and to en-
21 sure an appropriate allocation of this content in the
22 finished goods based on auditable bookkeeping.

1 **TITLE II—ENHANCED GLOBAL**
2 **ENGAGEMENT TO COMBAT**
3 **MARINE DEBRIS**

4 **SEC. 201. STATEMENT OF POLICY ON INTERNATIONAL CO-**
5 **OPERATION TO COMBAT MARINE DEBRIS.**

6 It is the policy of the United States to partner, con-
7 sult, and coordinate with foreign governments (at the na-
8 tional and subnational levels), civil society, international
9 organizations, international financial institutions, sub-
10 national coastal communities, commercial and recreational
11 fishing industry leaders, and the private sector, in a con-
12 certed effort—

13 (1) to increase knowledge and raise awareness
14 about—

15 (A) the linkages between the sources of
16 plastic waste, mismanaged waste, and marine
17 debris; and

18 (B) the upstream and downstream causes
19 and effects of plastic waste, mismanaged waste,
20 and marine debris on marine environments, ma-
21 rine wildlife, human health, and economic devel-
22 opment;

23 (2) to support—

24 (A) strengthening systems for recovering,
25 managing, reusing (to the extent practicable),

1 and recycling plastic waste, marine debris, and
2 microfiber pollution in the world's oceans, em-
3 phasizing upstream waste management solu-
4 tions—

5 (i) to mitigate plastic waste at its
6 source; and

7 (ii) to prevent leakage of plastic waste
8 into the environment;

9 (B) advancing the utilization and avail-
10 ability of safe and affordable reusable alter-
11 natives to disposable plastic products in com-
12 mmerce, to the extent practicable, and with con-
13 sideration for the potential impacts of such al-
14 ternatives, and other efforts to prevent marine
15 debris;

16 (C) deployment of and access to advanced
17 technologies to capture value from municipal
18 solid waste streams through mechanical and
19 other recycling systems;

20 (D) access to information on best practices
21 in waste management, options for waste system
22 financing, and options for participating in pub-
23 lic-private partnerships; and

24 (E) implementation of management meas-
25 ures to reduce derelict fishing gear, the loss of

1 fishing gear, and other sources of pollution gen-
2 erated from marine activities and to increase
3 proper disposal and recycling of fishing gear;
4 and

5 (3) to work cooperatively with international
6 partners—

7 (A) on establishing—

8 (i) measurable targets for reducing
9 marine debris, lost fishing gear, and plastic
10 waste from all sources; and
11 (ii) action plans to achieve those tar-
12 gets with a mechanism to provide regular
13 reporting;

14 (B) to promote consumer education,
15 awareness, and outreach to prevent marine de-
16 bris;

17 (C) to reduce marine debris by improving
18 advance planning for marine debris events and
19 responses to such events; and

20 (D) to share best practices in waste man-
21 agement systems to prevent the entry of plastic
22 waste into the environment.

1 **SEC. 202. PRIORITIZATION OF EFFORTS AND ASSISTANCE**

2 **TO COMBAT MARINE DEBRIS AND IMPROVE**

3 **PLASTIC WASTE MANAGEMENT.**

4 (a) IN GENERAL.—The Secretary of State shall, in

5 coordination with the Administrator of the United States

6 Agency for International Development, as appropriate,

7 and the officials specified in subsection (b)—

8 (1) lead and coordinate efforts to implement the

9 policy described in section 201; and

10 (2) develop strategies and implement programs

11 that prioritize engagement and cooperation with for-

12 eign governments, subnational and local stake-

13 holders, and the private sector to expedite efforts

14 and assistance in foreign countries—

15 (A) to partner with, encourage, advise and

16 facilitate national and subnational governments

17 on the development and execution, where prac-

18 ticable, of national projects, programs and ini-

19 tiatives to—

20 (i) improve the capacity, security, and

21 standards of operations of waste manage-

22 ment systems;

23 (ii) monitor and track how well waste

24 management systems are functioning na-

25 tionwide, based on uniform and trans-

26 parent standards developed in cooperation

1 with municipal, industrial, and civil society
2 stakeholders;

3 (iii) identify waste management sys-
4 tems' operational challenges and develop
5 policy and programmatic solutions;

6 (iv) end intentional or unintentional
7 incentives for municipalities, industries,
8 and individuals to improperly dispose of
9 plastic waste; and

10 (v) conduct outreach campaigns to
11 raise public awareness of the importance of
12 proper waste disposal;

13 (B) to facilitate the involvement of munici-
14 palities and industries in improving solid waste
15 reduction, collection, disposal, and reuse and re-
16 cycling projects, programs, and initiatives;

17 (C) to partner with and provide technical
18 assistance to investors, and national and local
19 institutions, including private sector actors, to
20 develop new business opportunities and solu-
21 tions to specifically reduce plastic waste and ex-
22 pand solid waste management best practices
23 and waste collection services in foreign coun-
24 tries by—

- 1 (i) maximizing the number of people
2 and businesses, in both rural and urban
3 communities, receiving reliable solid waste
4 management services and using safe and
5 responsible practices for properly dis-
6 posing, including recycling or reusing
7 waste materials;
- 8 (ii) improving and expanding the ca-
9 pacity of foreign industries to responsibly
10 manage waste;
- 11 (iii) improving and expanding the ca-
12 pacity and transparency of tracking mech-
13 anisms for marine debris to reduce the im-
14 pacts on the marine environment;
- 15 (iv) eliminating incentives that under-
16 mine responsible waste management prac-
17 tices and lead to improper waste disposal
18 practices and leakage;
- 19 (v) building the capacity of coun-
20 tries—
- 21 (I) to monitor, regulate, and
22 manage waste, plastic waste, and pol-
23 lution appropriately and trans-
24 parently;

6 (III) to encourage private invest-
7 ment, grow opportunities, and develop
8 markets for recyclable, reusable, and
9 repurposed plastic waste materials,
10 and products with high levels of recy-
11 cled plastic content, at both national
12 and local levels; and

(D) to research, identify, and facilitate opportunities to promote collection and proper disposal of damaged or derelict fishing gear.

19 (b) OFFICIALS SPECIFIED.—The officials specified in
20 this subsection are the following:

21 (1) The United States Trade Representative.

22 (2) The Under Secretary.

24 (4) The Director of the Trade and Development

25 Agency.

1 (5) The President and the Board of Directors
2 of the Overseas Private Investment Corporation or
3 the Chief Executive Officer and the Board of Direc-
4 tors of the United States International Development
5 Finance Corporation, as appropriate.

6 (6) The Chief Executive Officer and the Board
7 of Directors of the Millennium Challenge Corpora-
8 tion.

9 (7) The heads of such other agencies as the
10 Secretary of State considers appropriate.

11 (c) PRIORITIZATION.—In carrying out subsection (a),
12 the officials specified in subsection (b) shall prioritize as-
13 sistance to countries with—

14 (1) rapidly developing economies; and

15 (2) rivers and coastal areas that are the most
16 severe sources of marine debris.

17 (d) EFFECTIVENESS MEASUREMENT.—In
18 prioritizing and expediting efforts and assistance under
19 this section, the officials specified in subsection (b) shall
20 use clear, accountable, and metric-based targets to meas-
21 ure the effectiveness of guarantees and assistance in
22 achieving the policy described in section 201.

23 (e) RULE OF CONSTRUCTION.—Nothing in this sec-
24 tion may be construed to authorize the modification of or

1 the imposition of limits on the portfolios of any agency
2 or institution led by an official specified in subsection (b).

3 **SEC. 203. UNITED STATES LEADERSHIP IN INTERNATIONAL
4 FORA.**

5 In implementing the policy described in section 201,
6 the President shall direct the United States representa-
7 tives to appropriate international bodies and conferences
8 (such as the United Nations Environment Programme,
9 the Association of Southeast Asian Nations, the Asia Pa-
10 cific Economic Cooperation, the Group of 7, the Group
11 of 20, and the Our Ocean Conference) to use the voice,
12 vote, and influence of the United States, consistent with
13 the broad foreign policy goals of the United States, to ad-
14 vocate that each such body—

15 (1) commit to significantly increasing efforts to
16 promote investment in well-designed waste manage-
17 ment and plastic waste elimination and mitigation
18 projects and services that increase access to safe
19 waste management and mitigation services, in part-
20 nership with the private sector and consistent with
21 the constraints of other countries;

22 (2) address the waste management needs of in-
23 dividuals and communities where access to municipal
24 waste management services is historically impractical
25 or cost-prohibitive;

- 1 (3) enhance coordination with the private sec-
2 tor—
3 (A) to increase access to solid waste man-
4 agement services;
5 (B) to utilize safe and affordable reusable
6 alternatives to disposable plastic products, to
7 the extent practicable;
8 (C) to encourage and incentivize the use of
9 recycled content; and
10 (D) to grow economic opportunities and
11 develop markets for recyclable, reusable, and
12 repurposed plastic waste materials and other ef-
13 forts that support the circular economy;
- 14 (4) provide technical assistance to foreign regu-
15 latory authorities and governments to remove unnec-
16 essary barriers to investment in otherwise commer-
17 cially-viable projects related to—
18 (A) waste management including recycling;
19 (B) the use of safe and affordable reusable
20 alternatives to disposable plastic products, to
21 the extent practicable; or
22 (C) beneficial reuse of solid waste, plastic
23 waste, plastic products, and refuse;

- 1 (5) use clear, accountable, and metric-based
2 targets to measure the effectiveness of such projects;
3 and
- 4 (6) engage international partners in an existing
5 multilateral forum (or, if necessary, establish
6 through an international agreement a new multilat-
7 eral forum) to improve global cooperation on—
- 8 (A) creating tangible metrics for evaluating
9 efforts to reduce plastic waste and marine de-
10 bris;
- 11 (B) developing and implementing best
12 practices for collecting, disposing, recycling, and
13 reusing plastic waste, including building capac-
14 ity for improving waste management at the na-
15 tional and subnational levels of foreign coun-
16 tries, particularly countries with little to no
17 solid waste management systems, facilities, or
18 policies in place;
- 19 (C) encouraging the development of stand-
20 ards and practices, and increasing recycled con-
21 tent percentage requirements for disposable
22 plastic products;
- 23 (D) integrating tracking and monitoring
24 systems into waste management systems;

1 (E) fostering research to improve scientific
2 understanding of—

3 (i) how microfibers and microplastics
4 may affect marine ecosystems, human
5 health and safety, and maritime activities;

6 (ii) changes in the amount and re-
7 gional concentrations of plastic waste in
8 the ocean, based on scientific modeling and
9 forecasting;

10 (iii) the role rivers, streams, and other
11 inland waterways play in serving as con-
12 duits for mismanaged waste traveling from
13 land to the ocean;

14 (iv) effective means to eliminate
15 present and future leakages of plastic
16 waste into the environment; and

17 (v) other related areas of research the
18 United States representatives deem nec-
19 essary;

20 (F) encouraging the World Bank and other
21 international finance organizations to prioritize
22 efforts to combat marine debris;

23 (G) collaborating on technological advances
24 in waste management and recycled plastics;

(H) growing economic opportunities and developing markets for recyclable, reusable, and repurposed plastic waste materials and other efforts that support the circular economy; and

- (i) solid waste;
- (ii) plastic waste; and
- (iii) marine debris.

14 SEC. 204. ENHANCING INTERNATIONAL OUTREACH AND
15 PARTNERSHIP OF UNITED STATES AGENCIES
16 INVOLVED IN MARINE DEBRIS ACTIVITIES.

17 (a) FINDINGS.—Congress recognizes the success of
18 the marine debris program of the National Oceanic and
19 Atmospheric Administration and the Trash-Free Waters
20 program of the Environmental Protection Agency.

21 (b) AUTHORIZATION OF EFFORTS TO BUILD FOR-
22 EIGN PARTNERSHIPS.—The Under Secretary and the
23 EPA Administrator shall work with the Secretary of State
24 and the Administrator of the United States Agency for
25 International Development to build partnerships, as ap-

1 appropriate, with the governments of foreign countries and
2 to support international efforts to combat marine debris.

3 **SEC. 205. NEGOTIATION OF NEW INTERNATIONAL AGREEMENTS.**

5 Not later than 1 year after the date of the enactment
6 of this Act, the Secretary of State shall submit to Con-
7 gress a report—

8 (1) assessing the potential for negotiating new
9 international agreements or creating a new inter-
10 national forum to reduce land-based sources of ma-
11 rine debris and derelict fishing gear, consistent with
12 section 203;

13 (2) describing the provisions that could be in-
14 cluded in such agreements; and

15 (3) assessing potential parties to such agree-
16 ments.

17 **SEC. 206. CONSIDERATION OF MARINE DEBRIS IN NEGOTI-
18 ATING INTERNATIONAL AGREEMENTS.**

19 In negotiating any relevant international agreement
20 with any country or countries after the date of the enact-
21 ment of this Act, the President shall, as appropriate—

22 (1) consider the impact of land-based sources of
23 plastic waste and other solid waste from that coun-
24 try on the marine and aquatic environment; and

1 (2) ensure that the agreement strengthens ef-
2 forts to eliminate land-based sources of plastic waste
3 and other solid waste from that country that impact
4 the marine and aquatic environment.

5 **TITLE III—IMPROVING DOMES-**
6 **TIC INFRASTRUCTURE TO**
7 **PREVENT MARINE DEBRIS**

8 **SEC. 301. DEFINITIONS.**

9 In this title:

10 (1) INTENDED USE PLAN.—The term “intended
11 use plan” means a plan developed by a State under
12 section 303(c)(1).

13 (2) STATE.—The term “State” means—
14 (A) a State;
15 (B) an Indian Tribe;
16 (C) the District of Columbia; and
17 (D) a territory or possession of the United
18 States.

19 (3) STATE LOAN FUND.—The term “State loan
20 fund” means a waste management revolving loan
21 fund established by a State under section
22 303(a)(2)(B).

23 (4) INDIAN TRIBE.—The term “Indian Tribe”
24 has the meaning given the term “Indian tribe” in

1 section 4 of the Indian Self-Determination and Edu-
2 cation Assistance Act (25 U.S.C. 5304).

3 SEC. 302. STRATEGY FOR IMPROVING WASTE MANAGE-
4 MENT, RECYCLING, AND WATER MANAGE-
5 MENT.

6 (a) IN GENERAL.—Not later than 1 year after the
7 date of enactment of this Act, the EPA Administrator
8 shall, in consultation with stakeholders, develop a strategy
9 to improve waste management and recycling infrastruc-
10 ture, particularly for waste management and recycling in-
11 frastructure systems not meeting national standards
12 under subtitle D of the Solid Waste Disposal Act (42
13 U.S.C. 6941 et seq.) and other waste standards, for the
14 purpose of reducing potential leakage of plastic waste and
15 other solid waste into waterways and oceans.

16 (b) RELEASE.—On development of the strategy
17 under subsection (a), the EPA Administrator shall—

(1) distribute the strategy to States and units
of local government; and

20 (2) make the strategy publicly available for use
21 by—

22 (A) for-profit private waste management

and recycling entities, and

1 (c) SENSE OF CONGRESS.—It is the sense of Con-
2 gress that the strategy under subsection (a) should include
3 guidance, for the purpose of reducing potential leakage of
4 plastic waste and other solid waste into waterways and
5 oceans, relating to—

6 (1) the harmonization of waste collection proto-
7 cols;

8 (2) the harmonization of recycling protocols for
9 municipal recycling programs, including—

10 (A) best practices for the collection of resi-
11 dential recyclables;

12 (B) improved quality and sorting of recy-
13 clable materials through opportunities such
14 as—

15 (i) education and awareness pro-
16 grams;

17 (ii) improved infrastructure, including
18 new equipment and innovative technologies
19 for processing of recyclable materials;

20 (iii) enhanced markets for recycled
21 material; and

22 (iv) standardized measurements; and

23 (C) increasing capacity for more types of
24 plastic (including plastic films) and other mate-

1 rials to be collected, processed, and recycled or
2 repurposed into usable materials or products;

3 (3) the development of new strategies and pro-
4 grams that prioritize engagement and cooperation
5 with States and the private sector to expedite efforts
6 and assistance in States to partner with, encourage,
7 advise, and facilitate the development and execution,
8 where practicable, of projects, programs, and initia-
9 tives—

10 (A) to improve the capacity, security, and
11 standards of operations of waste management
12 systems;

13 (B) to monitor and track how well waste
14 management systems are functioning, based on
15 uniform and transparent standards developed in
16 cooperation with municipal, industrial, Federal,
17 and civil society stakeholders;

18 (C)(i) to identify the operational challenges
19 of waste management systems; and

20 (ii) to develop policy and programmatic so-
21 lutions to those challenges; and

22 (D) to end intentional and unintentional
23 incentives for municipalities, industries, and in-
24 dividuals to improperly dispose of municipal
25 solid waste; and

1 (4) strengthening markets for products with
2 high levels of recycled plastic content.

3 (d) COMPLEMENTARY ACTIVITIES.—It is the sense of
4 Congress that the strategy developed under subsection (a)
5 should include guidance on activities that are complemen-
6 tary to the activities described in subsection (c), such as—

7 (1) reducing waste at the source of the waste,
8 including anti-litter initiatives;

9 (2) developing effective trash provisions for—

10 (A) national pollutant discharge elimi-
11 nation system permits issued to municipal sepa-
12 rate storm sewer systems under section 402 of
13 the Federal Water Pollution Control Act (33
14 U.S.C. 1342); and

15 (B) stormwater management plans;

16 (3) capturing trash at stormwater inlets,
17 stormwater outfalls, or in bodies of water;

18 (4) providing education and outreach relating to
19 trash movement and reduction; and

20 (5) monitoring or modeling waste flows and the
21 reduction of waste resulting from the implemen-
22 tation of best management practices.

23 **SEC. 303. WASTE MANAGEMENT STATE REVOLVING FUNDS.**

24 (a) BLOCK GRANTS TO STATES TO ESTABLISH LOAN
25 FUNDS.—

1 (1) IN GENERAL.—The EPA Administrator
2 shall offer to enter into agreements with eligible
3 States to make capitalization block grants, including
4 letters of credit, to the States under this sub-
5 section—

6 (A) to support improvements to local waste
7 management systems, including traditional and
8 innovative recycling and reuse technologies;

9 (B) to assist local waste management au-
10 thorities in making improvements to local waste
11 management systems—

12 (i) to meet waste management stand-
13 ards under subtitle D of the Solid Waste
14 Disposal Act (42 U.S.C. 6941 et seq.),
15 particularly with respect to systems falling
16 significantly below national standards
17 under that subtitle, as determined by the
18 EPA Administrator; and

19 (ii) to implement the strategy devel-
20 oped under section 302(a);

21 (C) to deploy waste interceptor tech-
22 nologies, such as “trash wheels” and litter
23 traps, to manage the collection and cleanup of
24 aggregated waste from waterways; and

(D) for such other purposes as the EPA Administrator determines to be appropriate.

(B) during the following fiscal year.

21 (5) ALLOTMENT.—Funds made available to
22 carry out this section shall be allotted to States at
23 the discretion of the EPA Administrator.

(6) REALLOTMENT.—Any funds not obligated by a State by the last day of the period for which

1 the block grants are available shall be reallocated in
2 accordance with paragraph (5).

3 (b) USE OF FUNDS.—

4 (1) IN GENERAL.—Amounts deposited in a
5 State loan fund, including loan repayments and in-
6 terest earned on the amounts, shall be used only—

- 7 (A) for providing loans or loan guarantees;
8 (B) for outcomes-based or performance
9 payments; or
10 (C) as a source of reserve and security for
11 leveraged loans.

12 (2) LIMITATIONS.—Loans or loan guarantees
13 made by a State under paragraph (1)(A)—

14 (A) may be used only for expenditures of
15 a type or category that the EPA Administrator
16 has determined, through guidance, will—

- 17 (i) facilitate compliance with an in-
18 tended use plan; or
19 (ii) otherwise significantly further the
20 purposes described in subparagraphs (A)
21 through (C) of subsection (a)(1); and

22 (B) may not be used for the acquisition of
23 real property or an interest in real property,
24 unless the acquisition is—

4 (c) INTENDED USE PLANS.—

11 (2) CONTENTS.—An intended use plan shall in-
12 clude—

(B) a description of how the funds will support disadvantaged communities;

19 (C) the criteria and methods established
20 for the use of the funds; and

1 lish, and periodically update, a list of projects in the
2 State that are eligible for assistance under this sec-
3 tion, including—

4 (A) the priority assigned to each project;

5 and

6 (B) to the maximum extent practicable,
7 the expected funding schedule for each project.

8 (d) FUND MANAGEMENT.—

9 (1) IN GENERAL.—Each State loan fund shall
10 be established, maintained, and credited with repay-
11 ments and interest, and the fund corpus shall be
12 available in perpetuity in accordance with this sec-
13 tion.

14 (2) INVESTMENT AUTHORIZED.—To the extent
15 amounts in the State loan fund of a State are not
16 required for current obligation or expenditure, the
17 amounts shall be invested in interest bearing obliga-
18 tions.

19 (e) STATE CONTRIBUTIONS.—Each capitalization
20 agreement entered into under subsection (a)(1) shall re-
21 quire that the State deposit in the State loan fund from
22 State funds an amount equal to not less than 20 percent
23 of the total amount of the block grant to be made to the
24 State on or before the date on which the block grant pay-
25 ment is made to the State.

1 (f) ADMINISTRATION OF STATE LOAN FUND.—

2 (1) IN GENERAL.—Each State annually may
3 use not greater than 4 percent of the funds allotted
4 to the State under this section to cover the reasonable
5 costs of administration of the programs under
6 this section, including the recovery of reasonable
7 costs expended to establish a State loan fund that
8 are incurred after the date of enactment of this Act.

9 (2) GUIDANCE AND REGULATIONS.—The EPA
10 Administrator shall issue guidance and promulgate
11 regulations as are necessary to carry out this sec-
12 tion, including guidance and regulations—

13 (A) to ensure that each State commits and
14 expends funds allotted to the State under this
15 section as efficiently as practicable in accord-
16 ance with this section and applicable State law;

17 (B) to prevent waste, fraud, and abuse;
18 and

19 (C) to ensure that the States receiving
20 block grants under this section use accounting,
21 audit, and fiscal procedures that conform to
22 generally accepted accounting standards.

23 (3) STATE REPORT.—Not less frequently than
24 every 2 years, each State administering a State loan
25 fund under this section shall submit to the EPA Ad-

1 ministrator a report describing the activities carried
2 out under this section, including the findings of the
3 most recent audit of the State loan fund and the en-
4 tire State allotment.

5 (4) AUDITS.—The EPA Administrator shall pe-
6 riódically audit all State loan funds established by,
7 and all other amounts allotted to, the States in ac-
8 cordance with procedures established by the Com-
9 troller General of the United States.

10 (g) APPLICABILITY OF FEDERAL LAW.—

11 (1) IN GENERAL.—The EPA Administrator
12 shall ensure that all laborers and mechanics em-
13 ployed on projects funded directly, or assisted in
14 whole or in part, by a State loan fund established
15 by this section shall be paid wages at rates not less
16 than those prevailing on projects of a character simi-
17 lar in the locality as determined by the Secretary of
18 Labor in accordance with subchapter IV of chapter
19 31 of part A of subtitle II of title 40, United States
20 Code.

21 (2) AUTHORITY.—With respect to the labor
22 standards specified in paragraph (1), the Secretary
23 of Labor shall have the authority and functions set
24 forth in Reorganization Plan Numbered 14 of 1950

1 (64 Stat. 1267; 5 U.S.C. App.) and section 3145 of
2 title 40, United States Code.

3 (h) AUTHORIZATION OF APPROPRIATIONS.—There
4 are authorized to be appropriated to carry out this section
5 such amounts as are necessary for each of fiscal years
6 2020 through 2025.

7 **SEC. 304. GRANT PROGRAMS.**

8 (a) WASTE MANAGEMENT INFRASTRUCTURE GRANT
9 PROGRAM.—

10 (1) IN GENERAL.—The EPA Administrator
11 may provide grants to units of local government, Indian Tribes, and local waste management systems—

13 (A) to assist those entities in making improvements to waste management systems—

15 (i) to meet waste management standards established under subtitle D of the Solid Waste Disposal Act (42 U.S.C. 6941 et seq.); and

19 (ii) to implement the strategy developed section 302(a); and

21 (B) to support improvements to local waste management systems, including traditional and innovative recycling and reuse technologies.

24 (2) APPLICATIONS.—To be eligible to receive a grant under paragraph (1), an applicant shall sub-

1 mit to the EPA Administrator an application at
2 such time, in such manner, and containing such in-
3 formation as the EPA Administrator may require.

4 (b) DRINKING WATER INFRASTRUCTURE GRANTS.—

5 (1) IN GENERAL.—The EPA Administrator
6 may provide competitive grants to units of local gov-
7 ernment (including units of local government that
8 own treatment works (as defined in section 212 of
9 the Federal Water Pollution Control Act (33 U.S.C.
10 1292))), Indian Tribes, and public water systems (as
11 defined in section 1401 of the Safe Drinking Water
12 Act (42 U.S.C. 300f)), as applicable, to support im-
13 provements in removing plastic waste from drinking
14 water, including planning, design, construction, tech-
15 nical assistance, and planning support for oper-
16 ational adjustments.

17 (2) PREFERENCE.—In making grants under
18 paragraph (1), the EPA Administrator shall give
19 preference to applicants that—

20 (A) seek to improve the removal of micro-
21 plastics, including microfibers, from drinking
22 water; and

23 (B) have demonstrated prior commitment
24 and success in reducing other pollution sources

1 in drinking water, such as lead and other con-
2 taminants.

3 (3) APPLICATIONS.—To be eligible to receive a
4 grant under paragraph (1), an applicant shall sub-
5 mit to the EPA Administrator an application at
6 such time, in such manner, and containing such in-
7 formation as the EPA Administrator may require.

8 (c) WASTEWATER INFRASTRUCTURE GRANTS.—

9 (1) IN GENERAL.—The EPA Administrator
10 may provide grants to units of local government (in-
11 cluding units of local government that own treat-
12 ment works (as defined in section 212 of the Federal
13 Water Pollution Control Act (33 U.S.C. 1292))) and
14 public water systems (as defined in section 1401 of
15 the Safe Drinking Water Act (42 U.S.C. 300f)), as
16 applicable, to support improvements in removing
17 plastic waste from wastewater.

18 (2) PREFERENCE.—In making grants under
19 paragraph (1), the EPA Administrator shall give
20 preference to applicants that—

21 (A) seek to improve the removal of micro-
22 plastics, including microfibers, from wastewater;
23 and

24 (B) have demonstrated prior commitment
25 and success in reducing other pollution sources

1 in wastewater, such as nutrient pollution and
2 other contaminants.

3 (3) APPLICATIONS.—To be eligible to receive a
4 grant under paragraph (1), an applicant shall sub-
5 mit to the EPA Administrator an application at
6 such time, in such manner, and containing such in-
7 formation as the EPA Administrator may require.

8 (d) TRASH-FREE WATERS GRANTS.—

9 (1) IN GENERAL.—The EPA Administrator
10 may provide grants to political subdivisions of States
11 and units of local government, Indian Tribes, and
12 nonprofit organizations—

13 (A) to support projects to reduce the quan-
14 tity of trash in bodies of water by reducing the
15 quantity of trash at the source of the trash, in-
16 cluding anti-litter initiatives;

17 (B) to enforce local trash ordinances;

18 (C) to implement the trash provisions of a
19 national pollutant discharge elimination system
20 permit issued to a municipal separate storm
21 sewer system under section 402 of the Federal
22 Water Pollution Control Act (33 U.S.C. 1342);

23 (D) to capture trash at stormwater inlets,
24 stormwater outfalls, or in bodies of water;

(E) to provide education and outreach about trash movement and reduction; and

3 (F) to monitor or model flows of trash, in-
4 cluding monitoring or modeling a reduction in
5 trash as a result of the implementation of best
6 management practices for the reduction of
7 trash in sources of drinking water.

13 (e) AUTHORIZATION OF APPROPRIATIONS.—

(B) PROGRAMS DESCRIBED.—The programs referred to in subparagraph (A) are—

16 SEC. 305. STUDY ON REPURPOSING PLASTIC WASTE IN IN-

17 FRASTRUCTURE.

18 (a) IN GENERAL.—The Secretary of Transportation
19 (referred to in this section as the “Secretary”) and the
20 EPA Administrator shall seek to jointly enter into an ar-
21 rangement with the National Academies of Sciences, Engi-
22 neering, and Medicine under which the National Acad-
23 emies will—

1 (1) conduct a study of the feasibility and advis-
2 ability of innovative uses of plastic waste in road-
3 ways, bridges, and other infrastructure; and

4 (2) as part of the study under paragraph (1)—

5 (A) identify international examples of—

6 (i) the use of materials described in
7 that paragraph; and

8 (ii) projects in which the use of plastic
9 waste has been applied;

10 (B) assess the economic benefits, if any,
11 including employment opportunities, to munici-
12 palities and States in investing in innovative
13 reuse of plastic waste in infrastructure; and

14 (C) if the National Academies consider
15 uses described in that paragraph to be advis-
16 able, make recommendations with respect to
17 what Federal testing standards and other bar-
18 riers may need to be addressed to enable those
19 uses, including with respect to ensuring human
20 health and safety.

21 (b) REPORT REQUIRED.—Not later than 2 years
22 after the date of enactment of this Act, the Secretary shall
23 submit to Congress a report on the study conducted under
24 subsection (a).

25 (c) GRANT PROGRAM.—

1 (1) IN GENERAL.—If the National Academies
2 consider the innovative uses of plastic waste de-
3 scribed in subsection (a)(1) to be advisable, and the
4 Secretary agrees, the Secretary shall establish a
5 grant program to encourage those uses.

6 (2) DEMONSTRATION PROJECTS.—If the Sec-
7 retary establishes a grant program under paragraph
8 (1), the Secretary shall carry out the grant program
9 by selecting, through a competitive process, not more
10 than 5 projects to demonstrate the uses described in
11 subsection (a)(1), each of which shall be located in
12 a different region of the United States.

13 (3) REPORT.—Not later than 180 days after
14 the date on which the last demonstration project, if
15 any, is completed under paragraph (2), the Sec-
16 retary shall submit to Congress a report summa-
17 rizing the results of the demonstration projects, in-
18 cluding—

19 (A) the total quantity of plastic waste redi-
20 rected from the waste stream into infrastruc-
21 ture;

22 (B) the durability of the infrastructure
23 constructed with plastic waste; and

1 (C) any cost savings achieved through the
2 use of plastic waste in the demonstration
3 projects.

4 (d) AUTHORIZATION OF APPROPRIATIONS.—There
5 are authorized to be appropriated such sums as are nec-
6 essary to carry out this section.

7 **SEC. 306. STUDY ON OPTIONS TO ADVANCE TECHNOLOGIES**
8 **FOR CONVERTING PLASTIC WASTE TO**
9 **CHEMICALS, FEEDSTOCKS, AND OTHER**
10 **PRODUCTS.**

11 (a) IN GENERAL.—The EPA Administrator shall
12 seek to enter into an arrangement with the National Acad-
13 emies of Sciences, Engineering, and Medicine under which
14 the National Academies will conduct a study on options
15 to advance technologies (including pyrolysis,
16 hydrolysis, methanolysis, gasification, and enzymatic
17 breakdown) for converting plastic waste to useful prod-
18 ucts, such as chemicals, feedstocks, fuels, and energy.

19 (b) INCLUSIONS.—As part of the study under sub-
20 section (a), the National Academies shall conduct an eval-
21 uation of—

22 (1) the air emissions associated with tech-
23 nologies described in that subsection; and

24 (2) an evaluation of the ability of those tech-
25 nologies to become cost-competitive with other op-

1 tions for obtaining source materials or producing en-
2 ergy.

3 (c) REPORT REQUIRED.—Not later than 2 years
4 after the date of the enactment of this Act, the EPA Ad-
5 ministrator shall submit to Congress a report on the study
6 conducted under subsection (a).

7 **SEC. 307. STUDY ON EFFECTS OF MICROPLASTICS IN FOOD**
8 **SUPPLIES AND SOURCES OF DRINKING**
9 **WATER.**

10 (a) IN GENERAL.—The EPA Administrator, in con-
11 sultation with the Under Secretary, shall seek to enter into
12 an arrangement with the National Academies of Sciences,
13 Engineering, and Medicine under which the National
14 Academies will conduct a human health and environmental
15 risk assessment on microplastics, including microfibers, in
16 food supplies and sources of drinking water.

17 (b) REPORT REQUIRED.—Not later than 2 years
18 after the date of the enactment of this Act, the EPA Ad-
19 ministrator shall submit to Congress a report on the study
20 conducted under subsection (a) that includes—

21 (1) a science-based definition of “microplastics”
22 that can be adopted in federally supported moni-
23 toring and future assessments supported or con-
24 ducted by a Federal agency;

1 (2) recommendations for standardized monitoring, testing, and other necessary protocols relating to microplastics;

4 (3)(A) an assessment of whether microplastics
5 are currently present in the food supplies and
6 sources of drinking water of United States consumers; and

8 (B) if the assessment under subparagraph (A)
9 is positive—

10 (i) the extent to which microplastics are
11 present in the food supplies and sources of
12 drinking water; and

13 (ii) an assessment of the type, source,
14 prevalence, and risk of microplastics in the food
15 supplies and sources of drinking water;

16 (4) an assessment of the risk posed, if any, by
17 the presence of microplastics in the food supplies
18 and sources of drinking water of United States consumers that includes—

20 (A) an identification of the most significant sources of those microplastics; and

22 (B) a review of the best available science
23 to determine any potential hazards of microplastics in the food supplies and sources of
24 drinking water of United States consumers; and

1 (5) a measurement of—

2 (A) the quantity of environmental chemi-
3 cals that absorb to microplastics; and

4 (B) the quantity described in subpara-
5 graph (A) that would be available for human
6 exposure through food supplies or sources of
7 drinking water.

8 (c) AUTHORIZATION OF APPROPRIATIONS.—There
9 are authorized to be appropriated such sums as are nec-
10 essary to carry out this section.

11 **SEC. 308. REPORT ON ELIMINATING BARRIERS TO IN-**
12 **CREASE THE COLLECTION OF RECYCLABLE**
13 **MATERIALS.**

14 Not later than 1 year after the date of enactment
15 of this Act, the EPA Administrator shall submit to Con-
16 gress a report describing—

17 (1) the economic, technological, resource avail-
18 ability, or other barriers to increasing the collection
19 of recyclable materials; and

20 (2) recommendations to overcome the barriers
21 described under paragraph (1).

1 **SEC. 309. REPORT ON ECONOMIC INCENTIVES TO SPUR DE-**
2 **VELOPMENT OF NEW END-USE MARKETS FOR**
3 **RECYCLED PLASTICS.**

4 Not later than 1 year after the date of enactment
5 of this Act, the EPA Administrator shall submit to Con-
6 gress a report describing the most efficient and effective
7 economic incentives to spur the development of additional
8 new end-use markets for recyclable plastics, including the
9 use of increased recycled content by manufacturers in the
10 production of plastic goods and packaging.

○