| 116TH CONGRESS<br>2D SESSION | S. |
|------------------------------|----|
|------------------------------|----|

To establish forestry policies that facilitate reforestation, conservation, international cooperation, and other ecologically sound management practices that reduce atmospheric carbon, to support United States efforts in partnership with the One Trillion Trees Initiative, to encourage the sustainable management, restoration, and conservation of global forests, grasslands, wetlands, and coastal habitats, and for other purposes.

### IN THE SENATE OF THE UNITED STATES

| the following bill; which was read twice and referred to the Committ on | Mr. | Bra  | UN   | (for  | himse   | lf, Mr. | Coo | ns, 1 | Ir. Yo | UNG, | and Mr.          | K  | ING) | introduced |
|---|-----|------|------|-------|---------|---------|-----|-------|--------|------|------------------|----|------|------------|
| on  |     | the  | foll | owing | g bill; | which   | was | read  | twice  | and  | ${\bf referred}$ | to | the  | Committee  |
|   |     | on _ |      |       |         |         |     |       |        |      |                  |    |      |            |

### A BILL

To establish forestry policies that facilitate reforestation, conservation, international cooperation, and other ecologically sound management practices that reduce atmospheric carbon, to support United States efforts in partnership with the One Trillion Trees Initiative, to encourage the sustainable management, restoration, and conservation of global forests, grasslands, wetlands, and coastal habitats, and for other purposes.

- 1 Be it enacted by the Senate and House of Representa-
- 2 tives of the United States of America in Congress assembled,

### 1 SECTION 1. SHORT TITLE; TABLE OF CONTENTS.

- 2 (a) SHORT TITLE.—This Act may be cited as the
- 3 "Trillion Trees and Natural Carbon Storage Act".
- 4 (b) Table of Contents for

### 5 this Act is as follows:

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

# TITLE I—CARBON SEQUESTRATION THROUGH FOREST CONSERVATION AND LAND MANAGEMENT ACTIVITIES

- Sec. 101. Domestic forest carbon stock objectives.
- Sec. 102. Renewable resource assessment and survey update.
- Sec. 103. Forest nursery revival program.
- Sec. 104. Carbon sequestration through wetland and grassland.
- Sec. 105. Carbon sequestration through the healthy forest reserve program.
- Sec. 106. National Forest Foundation activities.
- Sec. 107. Carbon sequestration on State and private land.
- Sec. 108. Carbon sequestration research and monitoring programs.

### TITLE II—MARKET INCENTIVES FOR CARBON SEQUESTRATION

- Sec. 201. Clarification of research and development program for cellulosic biochemical and bioplastics.
- Sec. 202. Rural Forest Market Investment Program.

# TITLE III—ENGAGING AMERICA'S ALLIES IN CONSERVATION AND STRONGER LAND MANAGEMENT

- Sec. 301. Statement of policy.
- Sec. 302. International support for conservation.
- Sec. 303. Establishment of foundation.
- Sec. 304. International sustainable land-use management plans.
- Sec. 305. Blue carbon monitoring.
- Sec. 306. Report to Congress.
- Sec. 307. International forestry cooperation.
- Sec. 308. Modifications to authorities relating to tropical forests.

### 6 SEC. 2. SENSE OF CONGRESS.

- 7 It is the sense of Congress that—
- 8 (1) forests and other ecosystems, including
- 9 grasslands and coastal wetlands, sequester and store
- 10 atmospheric carbon on climatologically relevant
- 11 timescales;

| 1  | (2) conserving, protecting, and restoring forest     |
|----|--|
| 2  | grassland, and wetland ecosystems globally would se- |
| 3  | quester a substantial amount of atmospheric carbon   |
| 4  | and constitute a pragmatic step towards addressing   |
| 5  | global carbon emissions and the degradation of bio-  |
| 6  | diversity;   |
| 7  | (3) blue carbon habitat can also store a sub-        |
| 8  | stantial amount of atmospheric carbon and provide    |
| 9  | numerous other environmental, cultural, and eco-     |
| 10 | nomic benefits;                                      |
| 11 | (4) as methods to address the changing climate       |
| 12 | restore ecosystems, and benefit human health, the    |
| 13 | United States Government should take a leadership    |
| 14 | role, both domestically and abroad, in—              |
| 15 | (A) ending deforestation;                            |
| 16 | (B) supporting tree planting, natural re-            |
| 17 | generation, forest landscape restoration, wildfire   |
| 18 | risk reduction, and sustainable forest manage        |
| 19 | ment; and  |
| 20 | (C) conserving and restoring grasslands              |
| 21 | wetlands, blue carbon habitats, and other lands      |
| 22 | and waters at scale; and                             |
| 23 | (5) the 1t.org trillion trees platform established   |
| 24 | by the World Economic Forum, the Global Environ-     |
| 25 | ment Facility, and other domestic and international  |
|    |  |

| 1  | efforts to conserve and expand healthy forest and    |
|----|--|
| 2  | tree cover, grasslands, wetlands, and blue carbon    |
| 3  | habitats globally should be supported.               |
| 4  | SEC. 3. DEFINITIONS.                                 |
| 5  | In this Act:   |
| 6  | (1) Administrator.—The term "Adminis-                |
| 7  | trator" means the Administrator of the United        |
| 8  | States Agency for International Development.         |
| 9  | (2) Blue carbon habitat.—The term "blue              |
| 10 | carbon habitat" means a coastal habitat in the soils |
| 11 | and vegetation of which carbon is stored, including  |
| 12 | a tidal wetland, a mangrove forest, a seagrass bed,  |
| 13 | a kelp forest, and other saltwater and estuarine     |
| 14 | coastal systems.                                     |
| 15 | (3) CARBON SEQUESTRATION.—The term "car-             |
| 16 | bon sequestration" means the processes of capturing  |
| 17 | and storing atmospheric carbon dioxide for a cli-    |
| 18 | matologically relevant period of time.               |
| 19 | (4) Forest Landscape restoration.—The                |
| 20 | term "forest landscape restoration" means a process  |
| 21 | that aims to regain ecological functionality and en- |
| 22 | hance human well-being in deforested or degraded     |
| 23 | landscapes.  |
| 24 | (5) National forest system.—The term                 |
| 25 | "National Forest System" has the meaning given       |

| 1  | the term in section 11(a) of the Forest and Range-   |
|----|--|
| 2  | land Renewable Resources Planning Act of 1974 (16    |
| 3  | U.S.C. 1609(a)).                                     |
| 4  | (6) Naturally regenerate.—The term                   |
| 5  | "naturally regenerate" means the regeneration of     |
| 6  | natural tree growth from—                            |
| 7  | (A) available seed sources native to the             |
| 8  | specific forest area; or                             |
| 9  | (B) any other natural process that does              |
| 10 | not primarily involve planting.                      |
| 11 | (7) Net carbon stock.—The term "net car-             |
| 12 | bon stock" means the absolute quantity of carbon     |
| 13 | held within a discrete portion of the biosphere (in- |
| 14 | cluding carbon held within a discrete portion of     |
| 15 | aboveground forest biomass and forest soil) at a     |
| 16 | specified time.                                      |
| 17 | (8) Secretary.—The term "Secretary" means            |
| 18 | the Secretary of Agriculture.                        |
| 19 | (9) Sustainable.—The term "sustainable"              |
| 20 | means the manner in which a land-use activity will,  |
| 21 | over the long-term—                                  |
| 22 | (A) satisfy the human and ecological needs           |
| 23 | associated with the use of land;                     |

| 1  | (B) conserve critical habitat and conserve                  |
|----|---|
| 2  | and enhance the environmental quality of the                |
| 3  | land; and   |
| 4  | (C) optimize current and future land uses                   |
| 5  | to ensure any enhancements in productivity are              |
| 6  | at a rate and in a manner that does not threat-             |
| 7  | en decline.   |
| 8  | TITLE I—CARBON SEQUESTRA-                                   |
| 9  | TION THROUGH FOREST CON-                                    |
| 10 | SERVATION AND LAND MAN-                                     |
| 11 | AGEMENT ACTIVITIES  |
| 12 | SEC. 101. DOMESTIC FOREST CARBON STOCK OBJECTIVES.          |
| 13 | (a) In General.—Not later than 2 years after the            |
| 14 | date of enactment of this Act, the Secretary, in collabora- |
| 15 | tion with the Administrator of the National Oceanic and     |
| 16 | Atmospheric Administration, shall establish—                |
| 17 | (1) objectives for increased net carbon stock for           |
| 18 | the forest, grassland, wetland, and coastal blue car-       |
| 19 | bon habitat ecosystems of the United States that are        |
| 20 | owned or managed by the Federal Government; and             |
| 21 | (2) objectives that shall be developed collabo-             |
| 22 | ratively between 1 or more non-Federal entities and         |
| 23 | 1 or more Federal partners for increased net carbon         |
| 24 | stock for the forest, grassland, wetland, and coastal       |
| 25 | blue carbon habitat ecosystems of the United States         |
|    |   |

| 1  | that are owned or managed by a State or local gov-     |
|----|--|
| 2  | ernment, an Indian Tribe, or a private person.         |
| 3  | (b) Requirements.—Objectives established under         |
| 4  | subsection (a)—  |
| 5  | (1) shall be based on the best available sci-          |
| 6  | entific and commercial information, including cur-     |
| 7  | rent and reference net carbon stock conditions for     |
| 8  | each ecosystem;  |
| 9  | (2) shall be based on information relating to the      |
| 10 | maintenance or restoration of the ecological integrity |
| 11 | of the ecosystems described in subsection (a), includ- |
| 12 | ing maintaining or restoring ecologically appropriate  |
| 13 | forest, grassland, wetland, and blue carbon habitat    |
| 14 | structure, function, composition, and connectivity;    |
| 15 | (3) shall consider naturally regenerated plant         |
| 16 | growth and planted growth;                             |
| 17 | (4) shall be established at levels that assist in      |
| 18 | achieving—   |
| 19 | (A) the optimally feasible and ecologically            |
| 20 | appropriate increase in the total net carbon           |
| 21 | stock that private domestic, State, and Tribal         |
| 22 | landowners and the Federal Government can              |
| 23 | achieve by January 1, 2030, and every 10 years         |
| 24 | thereafter through January 1, 2100; and                |
|    |  |

| 1  | (B) the maximum practicable retention, re-             |
|----|--|
| 2  | cruitment, and restoration of critical habitats,       |
| 3  | as appropriate for the forest type, to the extent      |
| 4  | that the trees promote increased net carbon            |
| 5  | stock;   |
| 6  | (5) shall be informed by data collected through        |
| 7  | the Forest Inventory and Analysis program of the       |
| 8  | Forest Service and other relevant data;                |
| 9  | (6) shall not negatively impact forest ecological      |
| 10 | integrity, forest function, forest composition, forest |
| 11 | connectivity, and sustained yield and multiple uses;   |
| 12 | (7) shall be published in the Federal Register,        |
| 13 | after notice and an opportunity for public comment,    |
| 14 | together with a statement of the basis and justifica-  |
| 15 | tion for the objectives;                               |
| 16 | (8) shall consider input from and the interests        |
| 17 | of local stakeholders; and                             |
| 18 | (9) shall consider—                                    |
| 19 | (A) the conservation of existing ecosystems            |
| 20 | that sequester carbon; and                             |
| 21 | (B) the impact that a changing climate                 |
| 22 | may have on—   |
| 23 | (i) existing net carbon stocks in for-                 |
| 24 | est, grassland, wetland, and coastal blue              |
| 25 | carbon habitat ecosystems; and                         |
|    |  |

| 1  | (ii) the carbon sequestration potential                 |
|----|---|
| 2  | of the ecosystems described in clause (i).              |
| 3  | SEC. 102. RENEWABLE RESOURCE ASSESSMENT AND SUR         |
| 4  | VEY UPDATE.   |
| 5  | (a) Renewable Resource Assessment.—Section              |
| 6  | 3 of the Forest and Rangeland Renewable Resources Plan- |
| 7  | ning Act of 1974 (16 U.S.C. 1601) is amended—           |
| 8  | (1) in subsection (a)—                                  |
| 9  | (A) in each of paragraphs (4) and (5), by               |
| 10 | striking "and" at the end;                              |
| 11 | (B) in paragraph (6), by striking the                   |
| 12 | comma at the end and inserting a semicolon              |
| 13 | and   |
| 14 | (C) by adding at the end the following:                 |
| 15 | "(7) an analysis of the total carbon storage ca-        |
| 16 | pacity of the National Forest System based on the       |
| 17 | lifecycle analysis established under section 102(b) of  |
| 18 | the Trillion Trees and Natural Carbon Storage Act       |
| 19 | and   |
| 20 | "(8) an analysis of the opportunities to enhance        |
| 21 | and optimize total net carbon stock (as defined in      |
| 22 | section 3 of that Act and taking into consideration     |
| 23 | the requirements described in section 101(b) of that    |
| 24 | Act) in the National Forest System."; and               |
| 25 | (2) in subsection (c)—                                  |

| 1  | (A) in paragraph (2), by striking "and" at           |
|----|--|
| 2  | the end;   |
| 3  | (B) in paragraph (3), by striking the pe-            |
| 4  | riod at the end and inserting "; and"; and           |
| 5  | (C) by adding at the end the following:              |
| 6  | "(4) the potential for increased utilization of      |
| 7  | forest and wood products and byproducts that are     |
| 8  | sustainable (as defined in section 3 of the Trillion |
| 9  | Trees and Natural Carbon Storage Act), including     |
| 10 | recommendations to Congress for actions relating to  |
| 11 | those products and byproducts that would lead to in- |
| 12 | creased net carbon sequestration (as defined in that |
| 13 | section).".  |
| 14 | (b) Lifecycle Analysis.—                             |
| 15 | (1) LIFECYCLE STORAGE MODEL.—As a part of            |
| 16 | the assessment required under section 3 of the For-  |
| 17 | est and Rangeland Renewable Resources Planning       |
| 18 | Act of 1974 (16 U.S.C. 1601), the Secretary shall    |
| 19 | develop, using the best available science, including |
| 20 | data collected through the Forest Inventory and      |
| 21 | Analysis program of the Forest Service, computa-     |
| 22 | tional models to analyze the lifecycle forest and    |
| 23 | grassland carbon sequestration potential associated  |
| 24 | with the National Forest System.                     |

| 1  | (2) Considerations.—In developing the model        |
|----|--|
| 2  | under paragraph (1), the Secretary shall consider— |
| 3  | (A) the net carbon stock in forests, grass-        |
| 4  | lands, and wetlands, including in wood and for-    |
| 5  | est soils;   |
| 6  | (B) the rate of carbon sequestration in            |
| 7  | new trees and young forests;                       |
| 8  | (C) the rate of carbon sequestration in old        |
| 9  | trees and older forests;                           |
| 10 | (D) the carbon impacts from tree mor-              |
| 11 | tality;  |
| 12 | (E) the carbon impacts from logging, mill-         |
| 13 | ing, and other forest management activities;       |
| 14 | (F) the carbon impacts from wildfire,              |
| 15 | pests, and other natural disturbances;             |
| 16 | (G) the full lifecycle of carbon impacts           |
| 17 | from the manufacture of wood-based products,       |
| 18 | including storage benefits and substitution ben-   |
| 19 | efits from the use of wood-based products as       |
| 20 | compared to the use of more greenhouse-gas-in-     |
| 21 | tensive materials, including impacts on forest     |
| 22 | ecosystem net carbon stocks;                       |
| 23 | (H) the net carbon impact of a cycle of—           |
| 24 | (i) harvest and regeneration; or                   |
| 25 | (ii) harvest and replanting;                       |

| 1  | (I) the carbon impacts from ecologically          |
|----|---|
| 2  | sound active forest management;                   |
| 3  | (J) the carbon impacts from retention, for        |
| 4  | est conservation, improved management, and        |
| 5  | restoration of other landscapes, including grass- |
| 6  | lands, sagebrush, steppe, wetlands, abandoned     |
| 7  | mine land, brownfields, and other degraded        |
| 8  | lands that were historically forested; and        |
| 9  | (K) other factors, as determined by the           |
| 10 | Secretary.  |
| 11 | (3) Validation program.—                          |
| 12 | (A) IN GENERAL.—The Secretary shall               |
| 13 | carry out a program for validation and inde-      |
| 14 | pendent testing of the lifecycle models devel-    |
| 15 | oped under paragraph (1).                         |
| 16 | (B) REQUIREMENTS.—In carrying out the             |
| 17 | validation program under subparagraph (A)         |
| 18 | the Secretary shall—                              |
| 19 | (i) regularly perform retrospective as-           |
| 20 | sessments comparing model predictions to          |
| 21 | field data on the carbon stored on the Na-        |
| 22 | tional Forest System; and                         |
| 23 | (ii) require third-party evaluation and           |
| 24 | comparison of lifecycle models developed          |
| 25 | under paragraph (1) against existing mod-         |

| 1                                | els, including enabling empirical testing of  |
|----------------------------------|---|
| 2                                | hypotheses regarding the net effects on   |
| 3                                | land and atmospheric carbon stocks and  |
| 4                                | other greenhouse gas impacts.   |
| 5                                | (4) Report.—Not later than 3 years after the  |
| 6                                | date of enactment of this Act, the Secretary shall  |
| 7                                | submit to the Committee on Agriculture of the   |
| 8                                | House of Representatives and the Committee on Ag-   |
| 9                                | riculture, Nutrition, and Forestry of the Senate a  |
| 10                               | report on the findings of the analysis conducted  |
| 11                               | using the lifecycle models developed under paragraph  |
| 12                               | (1).  |
| 13                               | SEC. 103. FOREST NURSERY REVIVAL PROGRAM.   |
| 14                               | (a) In General.—Section 2 of the Act of June 9,   |
|                                  |   |
| 15                               | 1930 (commonly known as the "Knutson-Vandenberg   |
|                                  | 1930 (commonly known as the "Knutson-Vandenberg Act") (16 U.S.C. 576a) is amended—  |
|                                  | ·   |
| 16                               | Act") (16 U.S.C. 576a) is amended—  |
| 16<br>17                         | Act") (16 U.S.C. 576a) is amended—  (1) by striking the section designation and all   |
| 16<br>17<br>18                   | Act") (16 U.S.C. 576a) is amended—  (1) by striking the section designation and all that follows through "the Secretary of Agriculture"   |
| 16<br>17<br>18                   | Act") (16 U.S.C. 576a) is amended—  (1) by striking the section designation and all that follows through "the Secretary of Agriculture" and inserting the following:  |
| 16<br>17<br>18<br>19<br>20       | Act") (16 U.S.C. 576a) is amended—  (1) by striking the section designation and all that follows through "the Secretary of Agriculture" and inserting the following:  "SEC. 2. FOREST NURSERY REVIVAL PROGRAM.  |
| 16<br>17<br>18<br>19<br>20<br>21 | Act") (16 U.S.C. 576a) is amended—  (1) by striking the section designation and all that follows through "the Secretary of Agriculture" and inserting the following:  "SEC. 2. FOREST NURSERY REVIVAL PROGRAM.  "(a) IN GENERAL.—The Secretary of Agriculture |

- 1 "(b) AUTHORIZATION OF APPROPRIATIONS.—There
- 2 is authorized to be appropriated to the Secretary of Agri-
- 3 culture to carry out subsection (a) \$10,000,000 for each
- 4 of fiscal years 2021 through 2030.".
- 5 (b) Report.—Not later than 3 years after the date
- 6 of enactment of this Act, the Secretary shall submit to
- 7 the Committee on Agriculture, Nutrition, and Forestry of
- 8 the Senate and the Committee on Agriculture of the
- 9 House of Representatives a report describing the short-
- 10 comings of, and barriers to, reforestation activities under
- 11 section 2 of the Act of June 9, 1930 (commonly known
- 12 as the "Knutson-Vandenberg Act") (16 U.S.C. 576a).
- 13 SEC. 104. CARBON SEQUESTRATION THROUGH WETLAND
- 14 AND GRASSLAND.
- 15 (a) In General.—The Administrator of the Na-
- 16 tional Oceanic and Atmospheric Administration and the
- 17 Secretary of the Interior, in consultation with the Sec-
- 18 retary and the heads of other relevant agencies, are en-
- 19 couraged to identify and pursue opportunities for the res-
- 20 toration or conservation of grasslands, wetlands, and
- 21 coastal blue carbon habitats of the United States that are
- 22 owned or managed by the Federal Government, State or
- 23 local governments, Indian Tribes, or private persons that
- 24 will—

| 1        | (1) increase the net carbon stock of the United             |
|----------|---|
| 2        | States, allowing the United States to reach the ob-         |
| 3        | jectives established under section 101(a); and              |
| 4        | (2) provide other environmental, cultural, and              |
| 5        | economic benefits to the region in which the restora-       |
| 6        | tion or conservation is carried out.                        |
| 7        | (b) Blue Carbon Monitoring.—In carrying out                 |
| 8        | subsection (a), the Administrator of the National Oceanic   |
| 9        | and Atmospheric Administration, in collaboration with the   |
| 10       | Secretary of the Interior and the heads of other relevant   |
| 11       | agencies, shall monitor the net carbon stock in blue carbon |
| 12       | habitats.   |
| 13       | (c) Grassland Carbon Monitoring.—In carrying                |
| 14       | out subsection (a), the Secretary of the Interior, the Sec- |
| 15       | retary, and the heads of other relevant agencies shall col- |
| 16       | laborate to monitor the net carbon stock in grassland.      |
| 17       | SEC. 105. CARBON SEQUESTRATION THROUGH THE                  |
| 18       | HEALTHY FOREST RESERVE PROGRAM.                             |
| 19       | (a) Establishment.—Section 501(a) of the Healthy            |
| 20       | Forests Restoration Act of 2003 (16 U.S.C. 6571(a)) is      |
| 21       | amended—  |
| 22       | (1) in paragraph (3), by striking "and" at the              |
|          |   |
| 23       | end;  |
| 23<br>24 | end; (2) in paragraph (4), by striking the period at        |

| 1  | (3) by adding at the end the following:                  |
|----|--|
| 2  | "(5) to promote, in pursuit of the objectives for        |
| 3  | increasing net carbon stock established under section    |
| 4  | 101(a) of the Trillion Trees and Natural Carbon          |
| 5  | Storage Act—   |
| 6  | "(A) first in priority, the conservation and             |
| 7  | management of existing forests; and                      |
| 8  | "(B) second in priority, the planting or re-             |
| 9  | generation of additional trees in an ecologically        |
| 10 | appropriate manner.".                                    |
| 11 | (b) Enrollment Priority.—Section 502(f) of the           |
| 12 | Healthy Forests Restoration Act of 2003 (16 U.S.C.       |
| 13 | 6572) is amended by striking paragraph (1) and inserting |
| 14 | the following:   |
| 15 | "(1) In General.—The Secretary of Agri-                  |
| 16 | culture shall give priority to the enrollment in the     |
| 17 | healthy forests reserve program of land that—            |
| 18 | "(A) provides the greatest conservation                  |
| 19 | benefit to—  |
| 20 | "(i) species listed as endangered or                     |
| 21 | threatened under section 4 of the Endan-                 |
| 22 | gered Species Act of 1973 (16 U.S.C.                     |
| 23 | 1533); and   |
| 24 | "(ii) species that—                                      |

| 1  | "(I) are not listed as endangered                         |
|----|---|
| 2  | or threatened under section 4 of the                      |
| 3  | Endangered Species Act of 1973 (16                        |
| 4  | U.S.C. 1533); but   |
| 5  | "(II)(aa) are candidates for such                         |
| 6  | listing, State-listed species, or special                 |
| 7  | concern species; or                                       |
| 8  | "(bb) are deemed a species of                             |
| 9  | greatest conservation need under a                        |
| 10 | State wildlife action plan;                               |
| 11 | "(B) promotes the restoration of marginal                 |
| 12 | farmland or degraded forestland into healthy              |
| 13 | forest ecosystems; or                                     |
| 14 | "(C) promotes the continuation of an eco-                 |
| 15 | logically appropriate ecosystem.".                        |
| 16 | (c) RESTORATION PLANS.—Section 503(b) of the              |
| 17 | Healthy Forests Restoration Act of 2003 (16 U.S.C.        |
| 18 | 6573(b)) is amended by striking paragraph (4) and insert- |
| 19 | ing the following:  |
| 20 | "(4) Practices, including reforestation and               |
| 21 | other forestry practices, to increase net carbon stock    |
| 22 | (as defined in section 3 of the Trillion Trees and        |
| 23 | Natural Carbon Storage Act).".                            |

| 4   |      |      |          |        |               |        |           |
|-----|------|------|----------|--------|---------------|--------|-----------|
| 1 6 | 1 OT | OC N | ATTONIAT | FODEST | <b>EOTIND</b> | TION A | CTIVITIES |

| 2 | (a) Purposes of Foundation.—Section 402(b) of          |
|---|--|
| 3 | the National Forest Foundation Act (16 U.S.C. 583j(b)) |
| 4 | is amended—  |
| 5 | (1) in paragraph (2), by striking "and" at the         |
| 6 | end;   |
|   |  |

- 7 (2) in paragraph (3), by striking the period at 8 the end and inserting a semicolon; and
- 9 (3) by adding at the end the following:
- "(4) encourage, accept, and administer private gifts of money and of real and personal property for the benefit of, or in connection with, the objectives for optimizing total domestic carbon stocks estab-
- lished under section 101(a) of the Trillion Trees and
- 15 Natural Carbon Storage Act; and
- "(5) carry out the Theodore Roosevelt Jr. Prize
  for Forest Restoration under section 410.".
- 18 (b) Theodore Roosevelt Jr. Prize for Forest
- 19 Restoration.—The National Forest Foundation Act (16
- 20 U.S.C. 583j et seq.) is amended—
- 21 (1) in section 405, by striking "410" both 22 places it appears and inserting "411";
- 23 (2) by redesignating section 410 as section 411;
- 24 and
- 25 (3) by inserting after section 409 the following:

| 1  | "SEC. 410. THEODORE ROOSEVELT JR. PRIZE FOR FOREST          |
|----|---|
| 2  | RESTORATION.  |
| 3  | "(a) Definitions.—In this section:                          |
| 4  | "(1) Secretary.—The term 'Secretary' means                  |
| 5  | the Secretary of Agriculture.                               |
| 6  | "(2) Theodore Roosevelt Jr. Prize.—The                      |
| 7  | term 'Theodore Roosevelt Jr. Prize' means the               |
| 8  | Theodore Roosevelt Jr. Prize for Forest Restoration         |
| 9  | established under subsection (b).                           |
| 10 | "(b) Establishment.—The Foundation shall, in                |
| 11 | consultation with the Secretary, establish a program to     |
| 12 | award an incentive prize, to be known as the 'Theodore      |
| 13 | Roosevelt Jr. Prize for Forest Restoration', to support do- |
| 14 | mestic reforestation activities carried out by individuals, |
| 15 | communities, nonprofit organizations, and corporations.     |
| 16 | "(c) Eligible Recipients.—The following entities            |
| 17 | are eligible to receive the Theodore Roosevelt Jr. Prize:   |
| 18 | "(1) A State agency.  |
| 19 | "(2) A nonprofit entity that the Secretary de-              |
| 20 | termines has a demonstrated expertise in tree plant-        |
| 21 | ing activity and reforestation.                             |
| 22 | "(3) Other entities that the Secretary deter-               |
| 23 | mines to be appropriate, such as a local government         |
| 24 | or a private owner of land covered by a forest man-         |
| 25 | agement plan.   |

| 1   | "(d) Coordination.—In carrying out this section,   |
|---|--|
| 2   | the Secretary may coordinate on an ongoing basis with  |
| 3   | appropriate Federal, State, Tribal, and local resource   |
| 4   | management departments, local nonprofit organizations,   |
| 5   | private landowners, and corporations—  |
| 6   | "(1) to identify land suitable for reforestation;  |
| 7   | "(2) to encourage, accept, and administer pri-   |
| 8   | vate gifts of money, technical expertise, and real and   |
| 9   | personal property for the benefit of the program   |
| 10  | under this section; and  |
| 11  | "(3) to manage and maintain reforested land.".   |
| 12  | SEC. 107. CARBON SEQUESTRATION ON STATE AND PRI-   |
|   |  |
| 13  | VATE LAND.   |
| <ul><li>13</li><li>14</li></ul>                       | VATE LAND.  (a) Adding Net Carbon Stock as a Purpose.—   |
|   |  |
| 14  | (a) Adding Net Carbon Stock as a Purpose.—   |
| 14<br>15  | (a) Adding Net Carbon Stock as a Purpose.— Section 2(b) of the Cooperative Forestry Assistance Act   |
| <ul><li>14</li><li>15</li><li>16</li></ul>            | (a) Adding Net Carbon Stock as a Purpose.— Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—   |
| <ul><li>14</li><li>15</li><li>16</li><li>17</li></ul> | <ul> <li>(a) Adding Net Carbon Stock as a Purpose.—</li> <li>Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—</li> <li>(1) by redesignating paragraphs (6) through</li> </ul>   |
| 14<br>15<br>16<br>17<br>18                            | (a) Adding Net Carbon Stock as a Purpose.— Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—  (1) by redesignating paragraphs (6) through (10) as paragraphs (7) through (11), respectively;   |
| 14<br>15<br>16<br>17<br>18<br>19                      | (a) Adding Net Carbon Stock as a Purpose.—  Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—  (1) by redesignating paragraphs (6) through (10) as paragraphs (7) through (11), respectively; and  |
| 14<br>15<br>16<br>17<br>18<br>19<br>20                | (a) Adding Net Carbon Stock as a Purpose.— Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—  (1) by redesignating paragraphs (6) through (10) as paragraphs (7) through (11), respectively; and  (2) by inserting after paragraph (5) the fol-  |
| 14<br>15<br>16<br>17<br>18<br>19<br>20<br>21          | (a) Adding Net Carbon Stock as a Purpose.— Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—  (1) by redesignating paragraphs (6) through (10) as paragraphs (7) through (11), respectively; and  (2) by inserting after paragraph (5) the following:  |
| 14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22    | (a) Adding Net Carbon Stock as a Purpose.— Section 2(b) of the Cooperative Forestry Assistance Act of 1978 (16 U.S.C. 2101(b)) is amended—  (1) by redesignating paragraphs (6) through (10) as paragraphs (7) through (11), respectively; and  (2) by inserting after paragraph (5) the following:  "(6) the encouragement of reforestation, con- |

| 1  | consideration the requirements described in section       |
|----|---|
| 2  | 101(b) of that Act);".                                    |
| 3  | (b) Support for State Assessments and Strat-              |
| 4  | EGIES FOR FOREST RESOURCES WHEN CONSIDERING               |
| 5  | Carbon Emissions.—Section 2A(a)(1) of the Coopera-        |
| 6  | tive Forestry Assistance Act of 1978 (16 U.S.C.           |
| 7  | 2101a(a)(1)) is amended—                                  |
| 8  | (1) by redesignating subparagraphs (C) and                |
| 9  | (D) as subparagraphs (D) and (E), respectively; and       |
| 10 | (2) by inserting after subparagraph (B) the fol-          |
| 11 | lowing:   |
| 12 | "(C)(i) the net carbon stock (as defined in               |
| 13 | section 3 of the Trillion Trees and Natural Car-          |
| 14 | bon Storage Act and taking into consideration             |
| 15 | the requirements described in section 101(b) of           |
| 16 | that Act) on State land and private land in the           |
| 17 | State; and  |
| 18 | "(ii) opportunities to increase that net car-             |
| 19 | bon stock, taking into consideration the require-         |
| 20 | ments described in section 101(b) of that Act;".          |
| 21 | (c) Carbon Storage Through the Forest Stew-               |
| 22 | ARDSHIP PROGRAM.—Section 5(d)(1) of the Cooperative       |
| 23 | Forestry Assistance Act of 1978 (16 U.S.C. 2103a(d)(1))   |
| 24 | is amended by inserting "carbon sequestration (as defined |

1 in section 3 of the Trillion Trees and Natural Carbon

- 2 Storage Act)," before "and the aesthetic".
- 3 (d) Carbon Storage Through the Community
- 4 Forest and Open Space Conservation Program.—
- 5 Section 7A(c)(1)(B)(ii) of the Cooperative Forestry As-
- 6 sistance Act of 1978 (16 U.S.C. 2103d(c)(1)(B)(ii)) is
- 7 amended by inserting ", net carbon stock (as defined in
- 8 section 3 of the Trillion Trees and Natural Carbon Stor-
- 9 age Act and taking into consideration the requirements
- 10 described in section 101(b) of that Act)," before "and
- 11 wildlife".
- 12 (e) Carbon Storage Through the Promotion
- 13 OF FOREST HEALTH.—Section 8(a) of the Cooperative
- 14 Forestry Assistance Act of 1978 (16 U.S.C. 2104(a)) is
- 15 amended—
- 16 (1) by redesignating paragraphs (4) through
- 17 (6) as paragraphs (5) through (7), respectively; and
- 18 (2) by inserting after paragraph (3) the fol-
- lowing:
- 20 "(4) protect or enhance net carbon stock (as
- defined in section 3 of the Trillion Trees and Nat-
- 22 ural Carbon Storage Act and taking into consider-
- ation the requirements described in section 101(b) of
- 24 that Act) on healthy forestland;".

| 1  | (f) Carbon Storage Through Urban and Com-              |
|----|--|
| 2  | MUNITY FORESTRY.—Section 9(d)(3) of the Cooperative    |
| 3  | Forestry Assistance Act of 1978 (16 U.S.C. 2105(d)(3)) |
| 4  | is amended—  |
| 5  | (1) in subparagraph (C), by striking "and" at          |
| 6  | the end;   |
| 7  | (2) in subparagraph (D), by inserting "and" at         |
| 8  | the end; and   |
| 9  | (3) by adding at the end the following:                |
| 10 | "(E) identifying opportunities to increase             |
| 11 | carbon stored through tree planting and sci-           |
| 12 | entific urban forestry management;".                   |
| 13 | (g) Carbon Storage Through the State and               |
| 14 | PRIVATE FOREST LANDSCAPE-SCALE RESTORATION.—           |
| 15 | Section 13A of the Cooperative Forestry Assistance Act |
| 16 | of 1978 (16 U.S.C. 2109a) is amended—                  |
| 17 | (1) in subsection (e)—                                 |
| 18 | (A) in paragraph (6), by striking "and" at             |
| 19 | the end;   |
| 20 | (B) by redesignating paragraph (7) as                  |
| 21 | paragraph (8); and                                     |
| 22 | (C) by inserting after paragraph (6) the               |
| 23 | following:   |
| 24 | "(7) to improve the potential to increase the net      |
| 25 | carbon stock (as defined in section 3 of the Trillion  |

| 1  | Trees and Natural Carbon Storage Act and taking       |
|----|---|
| 2  | into consideration the requirements described in sec- |
| 3  | tion 101(b) of that Act) of forest ecosystems         |
| 4  | through methods that result in real, measurable, and  |
| 5  | verifiable changes in that net carbon stock; and";    |
| 6  | and   |
| 7  | (2) in subsection (l), by striking paragraph (3)      |
| 8  | and inserting the following:                          |
| 9  | "(3) Authorization of appropriations.—                |
| 10 | There is authorized to be appropriated to the Fund    |
| 11 | \$25,000,000 for the first full fiscal year after the |
| 12 | date of enactment of the Trillion Trees and Natural   |
| 13 | Carbon Storage Act and each fiscal year thereafter    |
| 14 | through fiscal year 2025, to remain available until   |
| 15 | expended.".   |
| 16 | SEC. 108. CARBON SEQUESTRATION RESEARCH AND MONI-     |
| 17 | TORING PROGRAMS.                                      |
| 18 | (a) In General.—Section 3 of the Forest and           |
| 19 | Rangeland Renewable Resources Research Act of 1978    |
| 20 | (16 U.S.C. 1642) is amended—                          |
| 21 | (1) in subsection (a)—                                |
| 22 | (A) in the matter preceding paragraph (1),            |
|    |   |
| 23 | in the second sentence, by striking "include,"        |

| 1  | inserting "include the following 6 major areas         |
|----|--|
| 2  | of renewable resource research:"                       |
| 3  | (B) in paragraph (1), by inserting "further            |
| 4  | expanding the understanding of wood product            |
| 5  | carbon sequestration (as defined in section 3 of       |
| 6  | the Trillion Trees and Natural Carbon Storage          |
| 7  | Act), including by developing and improving            |
| 8  | carbon accounting strategies for specific, eco-        |
| 9  | logically sound forest management practices;"          |
| 10 | before "and developing"; and                           |
| 11 | (C) by adding at the end the following:                |
| 12 | "(6) Renewable resource assessment research            |
| 13 | shall include, as appropriate, research activities re- |
| 14 | lating to the sequestration of carbon, including—      |
| 15 | "(A) accounting strategies for specific, eco-          |
| 16 | logically sound forest management practices in         |
| 17 | specific forest types;                                 |
| 18 | "(B) increased carbon storage through re-              |
| 19 | forestation, natural regeneration (as defined in       |
| 20 | section 3 of the Trillion Trees and Natural Car-       |
| 21 | bon Storage Act) or conservation, and forest           |
| 22 | and rangeland management; and                          |
| 23 | "(C) the utilization of wood and other ma-             |
| 24 | terials derived from forest and rangeland re-          |
| 25 | newable resources to store carbon in building          |

| 1  | materials and industrial or consumer prod-    |
|----|---|
| 2  | ucts.";                                       |
| 3  | (2) in subsection (c)—                        |
| 4  | (A) in paragraph (1)—                         |
| 5  | (i) in the matter preceding subpara-          |
| 6  | graph (A), by striking "United States"        |
| 7  | and all that follows through "referred to"    |
| 8  | and inserting "Chief of the Forest Service,   |
| 9  | shall carry out a program (referred to in     |
| 10 | this subsection";                             |
| 11 | (ii) in subparagraph (G), by striking         |
| 12 | "and" at the end;                             |
| 13 | (iii) in subparagraph (H), by striking        |
| 14 | the period at the end and inserting a semi-   |
| 15 | colon; and                                    |
| 16 | (iv) by adding at the end the fol-            |
| 17 | lowing:                                       |
| 18 | "(I) accelerate and expand existing re-       |
| 19 | search efforts to improve forest carbon meas- |
| 20 | urement and monitoring technologies—          |
| 21 | "(i) to better predict changes in forest      |
| 22 | carbon due to a changing climate; and         |
| 23 | "(ii) to reduce costs of participation,       |
| 24 | and increase participation, by private for-   |
| 25 | est landowners in carbon markets; and         |
|    |   |

| 1  | "(J) conduct a study to monitor impacts                   |
|----|---|
| 2  | from carbon-enhancing activities."; and                   |
| 3  | (B) in paragraph (4)—                                     |
| 4  | (i) by striking subparagraphs (A) and                     |
| 5  | (C);  |
| 6  | (ii) by striking "the following re-                       |
| 7  | ports:" and all that follows through "shall               |
| 8  | submit" in the matter preceding clause (i)                |
| 9  | of subparagraph (B) and inserting ", not                  |
| 10 | later than January 15 of each year,"; and                 |
| 11 | (iii) by redesignating clauses (i)                        |
| 12 | through (iv) as subparagraphs (A) through                 |
| 13 | (D), respectively, and indenting appro-                   |
| 14 | priately; and   |
| 15 | (3) in subsection $(d)(2)$ , by adding at the end         |
| 16 | the following:  |
| 17 | "(F) Carbon sequestration (as defined in                  |
| 18 | section 3 of the Trillion Trees and Natural Car-          |
| 19 | bon Storage Act).".                                       |
| 20 | (b) TECHNICAL AMENDMENT.—Section 2(c) of the              |
| 21 | Forest and Rangeland Renewable Resources Research Act     |
| 22 | of 1978 (16 U.S.C. 1641(c)) is amended by inserting "of   |
| 23 | Agriculture (referred to in this Act as the 'Secretary')" |
| 24 | after "Secretary".  |

| 1 | TITLE II—MARKET INCENTIVES |
|---|----------------------------|
| 2 | FOR CARBON SEQUESTRATION   |

| 2  | FOR CARDON SEQUESTICATION                                 |
|----|---|
| 3  | SEC. 201. CLARIFICATION OF RESEARCH AND DEVELOP-          |
| 4  | MENT PROGRAM FOR CELLULOSIC BIO-                          |
| 5  | CHEMICAL AND BIOPLASTICS.                                 |
| 6  | (a) Definitions.—In this section:                         |
| 7  | (1) CELLULOSIC BIOCHEMICAL PRODUCT.—The                   |
| 8  | term "cellulosic biochemical product" means any           |
| 9  | biochemical, including bioethanol and its derivatives,    |
| 10 | that is derived from wood or plant cellulose fiber.       |
| 11 | (2) Cellulosic bioplastics product.—The                   |
| 12 | term "cellulosic bioplastics product" means any bio-      |
| 13 | plastic that is derived from wood or plant cellulose      |
| 14 | fiber.  |
| 15 | (3) Institution of higher education.—The                  |
| 16 | term "institution of higher education" has the            |
| 17 | meaning given the term in section 101 of the Higher       |
| 18 | Education Act of 1965 (20 U.S.C. 1001).                   |
| 19 | (4) Secretary.—The term "Secretary" means                 |
| 20 | the Secretary, acting through the Research and De-        |
| 21 | velopment deputy area and the State and Private           |
| 22 | Forestry deputy area of the Forest Service.               |
| 23 | (b) Authorization.—The Secretary shall conduct            |
| 24 | performance-driven research and development and provide   |
| 25 | for education and technical assistance for the purpose of |

facilitating the use of cellulosic biochemical and bioplastics 2 products in the United States. 3 (c) ACTIVITIES.—In carrying out subsection (b), the 4 Secretary shall, after collaboration with the wood products 5 and chemical industries, conservation organizations, and institutions of higher education— 6 7 (1) conduct research and development, and pro-8 vide for education and technical assistance, at the 9 Forest Products Laboratory or through the State 10 and Private Forestry deputy area that meets meas-11 urable performance goals for the achievement of the 12 priorities described in paragraphs (1) through (4) of 13 subsection (d); and 14 (2) make competitive grants to institutions of 15 higher education for those institutions to conduct re-16 search and development, carry out educational pro-17 grams, and provide technical assistance. 18 (d) Priorities.—In awarding grants under sub-19 section (c)(2), the Secretary shall give priority to applica-20 tions from institutions of higher education proposing 21 projects— 22 (1) to address ways to improve the commer-23 cialization of cellulosic biochemical products and bio-24 degradable cellulosic bioplastics products that, based 25 on the best available science and analyses conducted

| 1  | using the lifecycle models developed under section         |
|----|--|
| 2  | 102(b), will allow for an increase in net carbon           |
| 3  | stock;   |
| 4  | (2) to develop advanced biofuels (as defined in            |
| 5  | section 211(o)(1) of the Clean Air Act (42 U.S.C.          |
| 6  | 7545(o)(1))) that—   |
| 7  | (A) are cellulosic biofuels suitable for use               |
| 8  | in aviation, shipping, and heavy-duty vehicles;            |
| 9  | and  |
| 10 | (B) based on the best available science and                |
| 11 | analyses conducted using the lifecycle models              |
| 12 | developed under section 102(b), will allow for             |
| 13 | an increase in net carbon stock;                           |
| 14 | (3) for the conduct of applied research, includ-           |
| 15 | ing projects designed to bring products from bench-        |
| 16 | top to production scale; or                                |
| 17 | (4) to address one or more other research areas            |
| 18 | identified by the Secretary, in consultation with con-     |
| 19 | servation organizations, institutions of higher edu-       |
| 20 | cation, and the wood products industry.                    |
| 21 | (e) Timeframe.—To the maximum extent prac-                 |
| 22 | ticable, the measurable performance goals for the research |
| 23 | and development, education, and technical assistance       |
| 24 | under subsection (b) shall be achievable within 5 years.   |

### 1 SEC. 202. RURAL FOREST MARKET INVESTMENT PROGRAM.

- 2 (a) Definition of Rural.—In this section, the
- 3 term "rural" has the meaning given the term in section
- 4 343 of the Consolidated Farm and Rural Development Act
- 5 (7 U.S.C. 1991).
- 6 (b) Establishment of Program.—
- 7 (1) IN GENERAL.—The Secretary shall establish
- 8 a program, to be known as the "Rural Forest Mar-
- 9 ket Investment Program", to guarantee an environ-
- mental impact bond, loan, or other investment vehi-
- cle, as determined by the Secretary, issued for the
- sole purpose of financing eligible projects described
- in subsection (c), to enable rural private forest land-
- owners to participate in an innovative market for
- 15 forest carbon or other products.
- 16 (2) Consideration.—In establishing the pro-
- gram under paragraph (1), the Secretary may con-
- sider ways to ensure that the program minimizes, to
- 19 the extent practicable, disruptions to traditional for-
- est products markets.
- 21 (c) Eligible Projects.—An eligible project re-
- 22 ferred to in subsection (b)(1) is a project developed by pri-
- 23 vate entity, or a publicly supported, charitable nonprofit
- 24 organization, engaged in the aggregation of sustainable
- 25 forestry practices implemented by rural private forest
- 26 landowners to facilitate the sale of credits in the voluntary

- 1 carbon market or other recognized environmental market,
- 2 using a methodology approved by a credible, third-party
- 3 entity, as determined by the Secretary.
- 4 (d) Requirements.—A project described in sub-
- 5 section (c) that includes the practice of tree planting may
- 6 only be carried out, as determined by the Secretary—
- 7 (1) on land that was historically forested;
- 8 (2) using tree species that are native to the re-
- 9 gion and at ecologically appropriate densities; and
- 10 (3) in a manner that does not create other neg-
- ative impacts to biodiversity or the environment.
- 12 (e) Guarantee Amount.—The Secretary may guar-
- 13 antee not more than \$150,000,000 with respect to each
- 14 bond, loan, or other investment vehicle under subsection
- 15 (b)(1).
- 16 (f) REGULATIONS.—Not later than 30 days after the
- 17 date of enactment of this Act, the Secretary shall issue
- 18 regulations to implement the program established under
- 19 subsection (b)(1).
- 20 (g) Termination of Authority.—The authority
- 21 provided by this section terminates on September 30,
- 22 2023.

|    | 33  |
|----|---|
| 1  | TITLE III—ENGAGING AMER-                                |
| 2  | ICA'S ALLIES IN CONSERVA-                               |
| 3  | TION AND STRONGER LAND                                  |
| 4  | MANAGEMENT  |
| 5  | SEC. 301. STATEMENT OF POLICY.                          |
| 6  | It shall be the policy of the United States to—         |
| 7  | (1) lead the world in creating incentives and in-       |
| 8  | vestments to protect intact forests, reduce deforest-   |
| 9  | ation and support tree planting and forest landscape    |
| 10 | restoration, conservation, and sustainable manage-      |
| 11 | ment in support of the goal to plant and conserve       |
| 12 | one trillion trees globally;                            |
| 13 | (2) support carbon sequestration through sus-           |
| 14 | tainable management and restoration of coastal and      |
| 15 | inland aquatic ecosystems, including wetlands and       |
| 16 | blue carbon habitats; and                               |
| 17 | (3) utilize the vast natural assets and technical       |
| 18 | expertise of the United States to assist with sustain-  |
| 19 | able management and utilization, conservation, and      |
| 20 | restoration of forests, grasslands, wetlands, blue car- |

23 SEC. 302. INTERNATIONAL SUPPORT FOR CONSERVATION.

carbon globally.

bon habitats, and agricultural lands for sequestering

21

22

24 (a) IN GENERAL.—The Secretary of State (referred 25 to in this title as the "Secretary"), in coordination with

- 1 the Administrator, the Secretary of Agriculture, the Ad-
- 2 ministrator of the National Oceanic and Atmospheric Ad-
- 3 ministration, the Director of the United States Fish and
- 4 Wildlife Service, the Secretary of the Treasury, and the
- 5 heads of other relevant agencies and international organi-
- 6 zations, shall prioritize programs to support forest land-
- 7 scape restoration, end deforestation, and conserve and re-
- 8 store grasslands, wetlands, and blue carbon habitats at
- 9 landscape scale, including incorporating these activities
- 10 into other programs or forms of assistance.
- 11 (b) Prioritization and Types of Assistance.—
- 12 In providing the support outlined in subsection (a), the
- 13 Secretary, in coordination with the Administrator, the
- 14 Secretary of Agriculture, the Administrator of the Na-
- 15 tional Oceanic and Atmospheric Administration, and the
- 16 Director of the United States Fish and Wildlife Service,
- 17 shall—
- 18 (1) prioritize partnerships with developing coun-
- tries and regions that have experienced significant
- 20 levels of deforestation, grassland conversion, wetland
- loss, or blue carbon habitat degradation or whose
- biodiversity, local economy, and stability has been or
- could be significantly impacted by loss of forest and
- tree cover, grasslands, wetlands, or blue carbon habi-
- 25 tat;

1 (2) prioritize partnerships that have been deter-2 mined by agencies and partners with relevant exper-3 tise to sequester or have the potential to sequester 4 significant amounts of atmospheric carbon and that 5 will provide other benefits to the region, as deter-6 mined by the Secretary; 7 (3) encourage countries receiving relevant aid, 8 as determined by the Secretary, to report trans-9 parently information about this aid, including local 10 ownership and benefit sharing of programs; 11 (4) encourage countries receiving relevant aid, 12 as determined by the Secretary, to adopt legislation 13 or other measures domestically to protect, restore, 14 and sustainably manage forests (both existing and 15 newly planted), grasslands, wetlands, blue carbon 16 habitats, and other ecologically-important lands and 17 waters; and 18 (5) take a leadership role in ending deforest-19 ation and habitat conversion and encouraging the 20 sustainable management, conservation, and restora-21 tion of forests, grasslands, wetlands, blue carbon 22 habitats, and other lands and waters at landscape 23 scale. 24 (c) Coordination.—In carrying out the programs 25 authorized by this section, the Secretary and the Adminis-

- 1 trator shall, to the maximum extent practicable, make use
- 2 of public-private partnerships to facilitate engagement by
- 3 nonprofit organizations and industry partners.

### 4 SEC. 303. ESTABLISHMENT OF FOUNDATION.

- 5 (a) Establishment of Foundation.—The Sec-
- 6 retary may enter into an agreement, or expand on existing
- 7 partnerships, with a nonprofit organization to establish an
- 8 "International Forest Foundation" (in this section re-
- 9 ferred to as the "Foundation", which shall not be an
- 10 agency or instrumentality of the United States Govern-
- 11 ment.
- 12 (b) Purposes of Foundation.—The purposes of
- 13 the Foundation shall be to—
- 14 (1) encourage, accept, and administer private
- gifts of money and of real and personal property for
- the benefit of, or in connection with, the activities
- and services carried out by the United States to sup-
- port forest landscape restoration, end deforestation,
- and conserve and restore grasslands, wetlands, and
- blue carbon habitats around the world;
- 21 (2) use private funds to support, undertake,
- and conduct activities that further the goals set
- forth in section 301; and
- 24 (3) undertake, conduct, and encourage edu-
- 25 cational, technical, and other assistance, and other

1 activities, that support international goals to in-2 crease global carbon sequestration and ecosystem 3 health through the conservation and restoration of 4 healthy forests, grasslands, wetlands, blue carbon 5 habitats, and sustainably managed agricultural land. 6 (c) Transfer of Funds; Liability.— 7 (1) Transfer of funds.—The Secretary may 8 authorize, pursuant to an agreement entered into in 9 accordance with section 302(c), the transfer of funds 10 of the United States to a nonprofit organization for 11 the purpose of offsetting any administrative costs of 12 the Foundation. 13 (2) Liability.—The United States shall not be 14 liable for any debts, defaults, acts, or omissions of the Foundation. The full faith and credit of the 15 16 United States shall not extend to any obligations of 17 the Foundation. 18 SEC. 304. INTERNATIONAL SUSTAINABLE LAND-USE MAN-19 AGEMENT PLANS. 20 (a) In General.—The Secretary, in coordination 21 with the Administrator, the Secretary of Agriculture, the 22 heads of other relevant Federal agencies, and international 23 organizations, shall encourage countries receiving funding or other forms of assistance related to agriculture that is funded or partially funded by the United States to

produce, make publicly available, and adhere to detailed land-use management plans that identify and preserve 3 areas important to ecosystem health and carbon seques-4 tration and prioritize landscape restoration. 5 (b) Land-use Management Plan Criteria.—The Secretary shall work with the Administrator, the Secretary 6 7 of Agriculture, the heads of other relevant Federal agen-8 cies, international and nongovernmental organizations, 9 and other relevant experts to work with recipient countries 10 to develop and make publicly available, not later than one year after the date of the enactment of this Act, sciencebased criteria for land-use management plans that support 13 conservation of critical ecosystems, which may take material or ideas from existing land-use management criteria. 14 15 The criteria shall prioritize— 16 (1) identifying and preserving areas important 17 to ecosystem health and carbon sequestration; 18 (2) conserving critical habitat and other signifi-19 cant areas; 20 (3) prioritizing conservation and preservation 21 where possible; (4) restoring forests, grasslands, wetlands, blue 22 23 carbon habitats, and other lands and waters impor-24 tant for carbon sequestration and ecosystem health;

25

and

| 1  | (5) stakeholder engagement with local commu-                |
|----|---|
| 2  | nities, including indigenous communities and                |
| 3  | marginalized groups, including women.                       |
| 4  | (c) Identification of Countries.—The Secretary              |
| 5  | shall work with the Administrator, the Secretary of Agri-   |
| 6  | culture, the heads of other relevant United States agen-    |
| 7  | cies, international organizations, and other relevant ex-   |
| 8  | perts to identify and publish on a preexisting website the  |
| 9  | countries receiving direct funding or benefits derived from |
| 10 | United States international aid related to agricultural de- |
| 11 | velopment, agricultural education, or agricultural trade.   |
| 12 | (d) Encouraging Use of Land-use Management                  |
| 13 | Plans.—The Secretary, in coordination with the Admin-       |
| 14 | istrator, the Secretary of Agriculture, and the heads of    |
| 15 | other relevant agencies shall—                              |
| 16 | (1) encourage identified countries to develop               |
| 17 | and publish on a preexisting website land-use man-          |
| 18 | agement plans, or to improve existing land-use man-         |
| 19 | agement plans, following criteria that include clear        |
| 20 | annual objectives for achieving the priorities set          |
| 21 | forth in subsection (b);                                    |
| 22 | (2) consider the progress that countries have               |
| 23 | made in developing conservation and land-use man-           |
| 24 | agement plans and the progress these countries have         |

| 1  | made in adhering to these plans when determining    |
|----|---|
| 2  | future aid related to agricultural development;     |
| 3  | (3) encourage international organizations that      |
| 4  | the United States supports and other governments    |
| 5  | with which it cooperates to support land-use man-   |
| 6  | agement plans and planning; and                     |
| 7  | (4) integrate United States financial assistance    |
| 8  | and support for such plans with the assistance of   |
| 9  | others to the extent doing so advances their effec- |
| 10 | tiveness.   |
| 11 | SEC. 305. BLUE CARBON MONITORING.                   |
| 12 | The Administrator of the National Oceanic and At-   |
| 13 | mospheric Administration shall—                     |
| 14 | (1) collaborate with and provide technical as-      |
| 15 | sistance to the Secretary and the Administrator in  |
| 16 | order to implement best practices for monitoring    |
| 17 | blue carbon inventory in programs and projects es-  |
| 18 | tablished under this title; and                     |
| 19 | (2) work in collaboration with the Smithsonian      |
| 20 | Environmental Research Center to develop a global   |
| 21 | blue carbon database and ensure data collection and |
| 22 | reporting are consistent with the Center's Coastal  |
| 23 | Carbon Data Clearinghouse.                          |
|    |   |

### 1 SEC. 306. REPORT TO CONGRESS.

- 2 Not later than 2 years after the date of the enact-
- 3 ment of this Act, and annually thereafter, the Secretary,
- 4 in consultation with the Administrator, the Secretary of
- 5 Agriculture, the Administrator of the National Oceanic
- 6 and Atmospheric Administration, the Director of the
- 7 United States Fish and Wildlife Service, and the heads
- 8 of other relevant United States agencies, shall submit a
- 9 report to Congress that—
- 10 (1) outlines funding, activities, and other sup-
- port provided to advance the priorities outlined in
- 12 sections 302, 303, 304, and 305 on a country-by-
- country basis, including work to develop land-use
- management plan criteria and efforts to encourage
- identified countries to develop and adhere to land-
- 16 use management plans consistent with the developed
- 17 criteria; and
- 18 (2) makes use of modern satellite imagery tech-
- 19 niques to monitor grassland, forest, and tree canopy
- 20 cover and track the effectiveness of the programs of
- 21 the United States Government and its partners.

#### 22 SEC. 307. INTERNATIONAL FORESTRY COOPERATION.

- Section 602(b)(1) of the International Forestry Co-
- 24 operation Act of 1990 (16 U.S.C. 4501(b)(1)) is amend-
- 25 ed—

| 1  | (1) in subparagraph (G), by striking "and" at       |
|----|---|
| 2  | the end;  |
| 3  | (2) in subparagraph (H), by inserting "and" at      |
| 4  | the end; and  |
| 5  | (3) by adding at the end the following new sub-     |
| 6  | paragraph:  |
| 7  | "(I) carbon sequestration (as de-                   |
| 8  | fined in section 3 of the Trillion Trees            |
| 9  | and Natural Carbon Storage                          |
| 10 | Act)activities, including forest land-              |
| 11 | scape restoration (as defined in that               |
| 12 | section) programs, conducted in an                  |
| 13 | ecologically appropriate manner;".                  |
| 14 | SEC. 308. MODIFICATIONS TO AUTHORITIES RELATING TO  |
| 15 | TROPICAL FORESTS.                                   |
| 16 | Section 118 of the Foreign Assistance Act of 1961   |
| 17 | (22 U.S.C. 2151p-1) is amended—                     |
| 18 | (1) in subsection (a)(2), by inserting ", and an    |
| 19 | increase in global carbon sequestration" before the |
| 20 | period at the end;                                  |
| 21 | (2) in subsection (c)—                              |
| 22 | (A) in paragraph (1), by inserting ", res-          |
| 23 | toration," after "conservation":                    |

| 1  | (B) in paragraph (2)(A), by inserting "and            |
|----|---|
| 2  | impact on global carbon emissions" after "irre-       |
| 3  | versible losses";                                     |
| 4  | (C) in paragraph (6), by inserting "(in-              |
| 5  | cluding partnerships to increase and retain car-      |
| 6  | bon sequestration, as defined in section 3 of the     |
| 7  | Trillion Trees and Natural Carbon Storage             |
| 8  | Act)" after "sustainable forestry projects and        |
| 9  | practices"; and                                       |
| 10 | (D) in paragraph (8), by inserting "in-               |
| 11 | crease carbon sequestration (as defined in sec-       |
| 12 | tion 3 of the Trillion Trees and Natural Carbon       |
| 13 | Storage Act) and," after "other activities to";       |
| 14 | and   |
| 15 | (3) in subsection (f), by inserting "and a study      |
| 16 | on the total carbon sequestered through increases in  |
| 17 | and retention of tropical forest stocks globally as a |
| 18 | result of programs, projects, and activities carried  |
| 19 | out under this section" before the period at the end. |