To establish the Committee on Large-Scale Carbon Management in the National Science and Technology Council and a Federal Carbon Removal Initiative, and for other purposes.

IN THE SENATE OF THE UNITED STATES

Ms. Sinema (for herself, Ms. Murkowski, Mr. Whitehouse, and Mrs. Capito) introduced the following bill; which was read twice and referred to the Committee on

A BILL

To establish the Committee on Large-Scale Carbon Management in the National Science and Technology Council and a Federal Carbon Removal Initiative, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the “Carbon Removal, Efficient Agencies, Technology Expertise Act of 2020” or the “CREATE Act of 2020”.
SEC. 2. COMMITTEE ON LARGE-SCALE CARBON MANAGEMENT AND FEDERAL CARBON REMOVAL INITIATIVE.

(a) Definition of Carbon Dioxide Removal.—
In this section, the term “carbon dioxide removal” means the capture of carbon dioxide directly from ambient air or, in dissolved form, from seawater, combined with the sequestration of such carbon dioxide, including through—
(1) direct air capture and sequestration;
(2) enhanced carbon mineralization;
(3) bioenergy with carbon capture and sequestration;
(4) forest restoration;
(5) soil carbon management; and
(6) direct ocean capture.

(b) Committee on Large-Scale Carbon Management.—

(1) Establishment.—
(A) In general.—There is established in the National Science and Technology Council a committee on matters relating to large-scale management of carbon.

(B) Designation.—The committee established by subparagraph (A) shall be known as the “Committee on Large-Scale Carbon Management” (in this section the “Committee”).
3

(C) Membership.—

(i) Composition.—The Committee shall be composed of the members of the executive committee established under subsection (c)(1) and such other members as the executive committee considers appropriate.

(ii) Cochairpersons.—The members of the executive committee established by subsection (c)(1) shall be cochairpersons of the Committee.

(2) Duties of the Committee.—The duties of the Committee shall be as follows:

(A) Developing a strategic plan for Federal research, development, and demonstration of technological carbon dioxide removal (CDR) and storage.

(B) Overseeing working groups established under subsection (d).

(C) Coordinating budget planning with the Federal agencies and budget review with the Office of Management and Budget for matters relating to research, development, and demonstration described in subparagraph (A).
(D) Identifying cost-effective carbon dioxide removal technologies that are suitable for large-scale demonstration.

(E) Identifying accurate monitoring, carbon dioxide data collection, and long-term storage protocols for carbon dioxide removal technologies.

(F) Overseeing independent evaluations of performance of the working groups established under subsection (d).

(c) EXECUTIVE COMMITTEE.—

(1) ESTABLISHMENT.—There is established in the Committee an executive committee.

(2) MEMBERSHIP.—The executive committee shall be composed of the following:

(A) The Associate Director for Science of the Office of Science and Technology Policy.

(B) One senior official of the Department of Energy selected by the Secretary of Energy.

(C) One senior official of the Department of Agriculture selected by the Secretary of Agriculture.

(D) One senior official of the Department of Defense selected by the Secretary of Defense.
(E) One senior official of the National Oceanic and Atmospheric Administration selected by the Administrator of the National Oceanic and Atmospheric Administration.

(d) **Working Groups and Carbon Removal Initiative.**—

(1) **Establishment.**—

(A) **In General.**—The Committee shall establish working groups which shall carry out an initiative on technological and detailed research, development, and demonstration of carbon dioxide removal technology.

(B) **Designation of Initiative.**—The initiative carried out under subparagraph (A) shall be known as the “Carbon Removal Initiative”.

(2) **Working Group Foci.**—The working groups established under paragraph (1) are as follows:

(A) **Oceans.**—

(i) **In General.**—One working group to focus on matters relating to carbon dioxide removal from the oceans and coastal regions.
(ii) **Membership.**—The working group described in clause (i) shall be composed of 8 members as follows:

(I) One individual selected by the Administrator of the National Oceanic and Atmospheric Administration from among employees of the National Oceanic and Atmospheric Administration.

(II) One individual selected by the Administrator of the National Aeronautics and Space Administration from among employees of the National Aeronautics and Space Administration.

(III) One individual selected by the Secretary of Defense from among employees of the Department of Defense.

(IV) One individual selected by the Director of the National Science Foundation from among employees of the National Science Foundation.

(V) Two individuals selected by the Secretary of the Interior from
among employees of the Department of the Interior.

(VI) One individual selected by the Administrator of the Environmental Protection Agency from among employees of the Environmental Protection Agency.

(iii) COCHAIRPERSONS.—The individuals selected under subclauses (I) and (IV) of clause (ii) shall serve as cochairpersons of the working group established under clause (i).

(B) TERRESTRIAL.—

(i) IN GENERAL.—One working group to focus on terrestrial and biological matters relating to carbon dioxide removal.

(ii) MEMBERSHIP.—The working group described in clause (i) shall be composed of 6 members as follows:

(I) Two individuals, one of whom shall be selected by the Secretary of Agriculture from among employees of the Department of Agriculture and one of whom shall be selected by chief
of the Forest Service from among employees of the Forest Service.

(II) One individual selected by the Secretary of Energy from among employees of the Department of Energy.

(III) One individual selected by the Secretary of the Interior from among employees of the Department of the Interior.

(IV) One individual selected by the Director of the National Science Foundation from among employees of the National Science Foundation.

(V) One individual selected by the Administrator of the Environmental Protection Agency from among employees of the Environmental Protection Agency.

(iii) COCHAIRPERSONS.—The individuals selected under subclauses (I) and (II) of clause (ii) shall serve as cochairpersons of the working group established under clause (i).

(C) GEOLOGICAL.—
(i) **IN GENERAL.**—One working group to focus on geological matters relating to carbon dioxide removal and storage.

(ii) **MEMBERSHIP.**—The working group described in clause (i) shall be composed of 4 members as follows:

(I) One individual selected by the Secretary of Energy from among employees of the Department of Energy.

(II) One individual selected by the Secretary of the Interior from among employees of the United States Geological Survey.

(III) One individual selected by the Director of the National Science Foundation from among employees of the National Science Foundation.

(IV) One individual selected by the Administrator of the Environmental Protection Agency from among employees of the Environmental Protection Agency.

(iii) **COCHAIRPERSONS.**—The individuals selected under subclauses (I) and (II) of clause (ii) shall serve as cochairpersons
of the working group established under clause (i).

(D) TECHNOLOGICAL.—

(i) IN GENERAL.—One working group to focus on technological matters relating to carbon dioxide removal.

(ii) MEMBERSHIP.—The working group described in clause (i) shall be composed of 7 members as follows:

(I) One individual selected by the Secretary of Energy from among employees of the Department of Energy.

(II) One individual selected by the Secretary of Defense from among employees of the Department of Defense.

(III) One individual selected by the Administrator of the National Aeronautics and Space Administration from among employees of the National Aeronautics and Space Administration.

(IV) One individual selected by the Director of the National Science
Foundation from among employees of the National Science Foundation.

(V) One individual selected by the Secretary of Commerce from among employees of the National Institute of Standards and Technology.

(VI) One individual selected by the Administrator of the Environmental Protection Agency from among employees of the Environmental Protection Agency.

(VII) One individual selected by the Secretary of Transportation from among employees of the Department of Transportation.

(iii) COCHAIRPERSONS.—The individuals selected under subclauses (I) and (III) of clause (ii) shall serve as cochairpersons of the working group established under clause (i).

(e) ANNUAL BUDGET CROSSCUT REVIEW.—

(1) IN GENERAL.—Not less frequently than once each year, the Director of the Office of Management and Budget shall assist in the coordination
of the initiative carried out under subsection (d)(1)(A) by conducting a budget crosscut review—

(A) to ensure that budget proposals from members of the working groups established under such subsection are integrated with the overall budget for each Federal department and agency participating in such working groups; and

(B) to ensure that the various staff of the Office of Management and Budget review and act on Federal department and agency budget proposals for research, development, and demonstration of carbon dioxide removal technology in a holistic fashion.

(2) Submittal to Congress.—Along with each submission of the President pursuant to section 1105 of title 31, United States Code, the Director shall submit to Congress a report on the findings of the Director with respect to the most recently completed budget crosscut review under paragraph (1).