<table>
<thead>
<tr>
<th>Log #</th>
<th>Sponsor</th>
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</thead>
<tbody>
<tr>
<td>026r3</td>
<td>Turner</td>
<td>Adds an exception that the Open Skies Treaty may be withdrawn from if the Secretary of Defense certify that doing so is in the best interest of the National Security of the U.S. and requires other state parties to the Treaty are consulted on withdrawal.</td>
</tr>
<tr>
<td>040</td>
<td>Speier</td>
<td>Modifications to the special victim's program that requires Special Victim's Counsel to be trained and educated on local state criminal practices as to best inform their clients over jurisdictional preferences.</td>
</tr>
<tr>
<td>050</td>
<td>Hill</td>
<td>Expand the list of recipients to whom a federal employee may make a protected disclosure to include a supervisor in the employee's direct chain of command.</td>
</tr>
<tr>
<td>067r1</td>
<td>Gaetz</td>
<td>Increases overwater telemetric funding by $16,000,000 in AF RDT&amp;E.</td>
</tr>
<tr>
<td>075r2</td>
<td>Larsen</td>
<td>Creating a $5 million pilot program to install noise mitigation at private residences impacted by military aviation noise.</td>
</tr>
<tr>
<td>084r3</td>
<td>Gabbard</td>
<td>Requires DoD to submit a report to Congress on the use of different plants with hyperaccumulatory and phytoremediation capabilities to clear contaminants related to heavy metal contamination.</td>
</tr>
<tr>
<td>093r1</td>
<td>Torres Small</td>
<td>Authorizes the military to use funds to provide fresh water and/or treatment of PFAS contaminated water for agricultural purposes and explore existing authorities to acquire land adjacent to a military installation where water is contaminated due to military activities.</td>
</tr>
<tr>
<td>102r4</td>
<td>Brown</td>
<td>Requires a joint commission between the Department of Defense and Department of Education to advance the research capability of historically black colleges and universities and other minority institutions.</td>
</tr>
<tr>
<td>113r1</td>
<td>Brown</td>
<td>Allows commanders to inspects private military housing on base, with 48 hour notice and a right of refusal for the tenant.</td>
</tr>
<tr>
<td>114r3</td>
<td>Brown</td>
<td>Authorizes a program for carbon capture from the sea to support energy security and increase the efficiency of forward deployed units</td>
</tr>
<tr>
<td>117r1</td>
<td>Brown</td>
<td>Increases funding for additive manufacturing in Future Vertical Lift Technology for research into electrically conductive polymers that can be enable polymers to have metal properties.</td>
</tr>
<tr>
<td>118r1</td>
<td>Brown</td>
<td>Increases funding for silicon carbide power electronics in support of integration of directed energy systems on naval vessels.</td>
</tr>
<tr>
<td>132r1</td>
<td>Wittman</td>
<td>Asks for a briefing on the ten military installations with the greatest critical energy requirements and exhibiting the most significant energy resilience vulnerabilities to determine their capabilities and deficiencies in facility energy, operation energy security needs.</td>
</tr>
<tr>
<td>135r2</td>
<td>Cisneros</td>
<td>Requires a report on the impacts of establishing a standard that sexual assault survivors and their counsel have access to all nonprivileged information derived directly from and pertaining to the survivor.</td>
</tr>
<tr>
<td>139</td>
<td>Slotkin</td>
<td>Requests DoD ceases using AFFF sooner than the 2029 deadline, if able.</td>
</tr>
<tr>
<td>Log #</td>
<td>Sponsor</td>
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<tr>
<td>144r1</td>
<td>Hartzler</td>
<td>This amendment would increase funding for Air Force civil engineering equipment by $2.889 million.</td>
</tr>
<tr>
<td>148r1</td>
<td>Horn</td>
<td>This amendment authorizes the Department of Defense to create a program to award scholarships to qualified members of JROTC units to pursue a private pilot's certification.</td>
</tr>
<tr>
<td>163r1</td>
<td>Kim</td>
<td>Increase Other Procurement Navy, Line 098 ship missile support equipment by $40.2 M and offset reducing Shipbuilding &amp; Conversion, Navy Line 024 by $40.2 M.</td>
</tr>
<tr>
<td>179r1</td>
<td>Speier</td>
<td>Directs DoD Secretary to carry out a program to enhance the preparation of students in JROTC for careers in computer science and cybersecurity.</td>
</tr>
</tbody>
</table>
AMENDMENT TO H.R. 2500
OFFERED BY MR. TURNER

Amend subsection (e)(2) of section 1231 to read as follows:

(2) EXCEPTION.—The prohibition in paragraph (1) shall not apply if the Secretary of Defense and the Secretary of State jointly determine and certify to the congressional defense committees, the Committee on Foreign Relations of the Senate, and the Committee on Foreign Affairs of the House of Representatives that—

(A) Russia is in material breach of its obligations under the Open Skies Treaty and is not taking steps to return to compliance with such obligations, and all other state parties to the Open Skies Treaty concur in such determination of the Secretaries; or

(B) withdrawing from the Open Skies Treaty would be in the best interests of the United States’ national security and the other state parties to the Open Skies Treaty have been consulted with respect to such withdrawal.
AMENDMENT TO H.R. 2500
OFFERED BY MS. SPEIER OF CALIFORNIA

At the appropriate place in title V, add the following new section:

1 SEC. 5. TRAINING FOR SPECIAL VICTIMS' COUNSEL ON
2 CIVILIAN CRIMINAL JUSTICE MATTERS IN
3 THE STATES OF THE MILITARY INSTALLATIONS TO WHICH ASSIGNED.

5 (a) TRAINING.—
6 (1) IN GENERAL.—Upon the assignment of a
7 Special Victims' Counsel (including a Victim Legal
8 Counsel of the Navy) to a military installation in the
9 United States, such Counsel shall be provided appro-
10 priate training on the law and policies of the State
11 or States in which such military installation is lo-
12 cated with respect to the criminal justice matters
13 specified in paragraph (2). The purpose of the train-
14 ing is to assist such Counsel in providing victims of
15 alleged sex-related offenses with information nec-
16 essary to make an informed decision regarding pref-
17 erence as to the jurisdiction (whether court-martial
18 or State court) in which such offenses will be pros-
19 ecuted.
(2) CRIMINAL JUSTICE MATTERS.—The criminal justice matters specified in this paragraph, with respect to a State, are the following:

(A) Victim rights.

(B) Prosecution of criminal offenses.

(C) Sentencing for conviction of criminal offenses.

(b) ALLEGED SEX-RELATED OFFENSE DEFINED.—In this section, the term "alleged sex-related offense" means any allegation of—

(1) a violation of section 920, 920b, 920c, or 930 of title 10, United States Code (article 120, 120b, 120c, or 130 of the Uniform Code of Military Justice); or

(2) an attempt to commit an offense specified in a paragraph (1) as punishable under section 880 of title 10, United States Code (article 80 of the Uniform Code of Military Justice).
AMENDMENT TO H.R. 2500
OFFERED BY MS. HILL OF CALIFORNIA

At the end of title XI, add the following:

SEC. 11. PERMITTED DISCLOSURES BY WHISTLEBLOWERS.

(a) RECIPIENTS OF WHISTLEBLOWER DISCLOSURES.—Section 2302(b)(8)(B) of title 5, United States Code, is amended by striking "or to the Inspector" and all that follows through "such disclosures" and inserting "the Inspector General of an agency, a supervisor in the employee's direct chain of command up to and including the head of the employing agency, or to an employee designated by any of the aforementioned individuals for the purpose of receiving such disclosures".

(b) DETERMINATION OF BUDGETARY EFFECTS.—The budgetary effects of this section, for the purpose of complying with the Statutory Pay-As-You-Go Act of 2010, shall be determined by reference to the latest statement titled "Budgetary Effects of PAYGO Legislation" for this section, submitted for printing in the Congressional Record by the Chairman of the House Budget Committee,
provided that such statement has been submitted prior to the vote on passage.
AMENDMENT TO H.R. 2500
OFFERED BY MR. GAETZ
(funding table amendment)

In section 4201 of division D, relating to Air Force RDT&E, increase the amount for Overwater range telemetry improvements, Line 128, by $16,000,000.

In section 4301 of division D, relating Defense Wide O&M, reduce the amount for Office of the Secretary of Defense, Line 460, by $16,000,000.
AMENDMENT TO H.R. 2500
OFFERED BY MR. LARSEN OF WASHINGTON

At the appropriate place in title III, insert the following:

SEC. 3. PILOT PROGRAM ON REDUCTION OF EFFECTS
OF MILITARY AVIATION NOISE ON PRIVATE RESIDENCES.

(a) IN GENERAL.—The Secretary of Defense shall carry out a five-year pilot program under which the commander of a military installation may provide funds for the purpose of installing noise insulation on private residences impacted by military aviation noise from the installation.

(b) ELIGIBILITY.—To be eligible to receive funds under the pilot program, a recipient shall enter into an agreement with the commander to—

(1) provide at least 50 percent of the funds required to carry out the noise insulation; and

(2) ensure that the noise at any private residence where insulation is installed is reduced by at least 5 dB.
(e) Use of Funds.—Funds provided under the pilot program shall be used for the installation of noise insulation at a residence—

(1) located within a Department of Defense noise contour between 65 dB day-night average sound level and 75 dB day-night average sound level as validated on a National Environmental Policy Act-compliant assessment within the past three years; and

(2) where interior noise has been measured at 45 dB day-night average sound level by the installation.

(d) Goals and Best Practices.—In carrying out the pilot program under this section, a commander shall use the following goals and best practices:

(1) Minimize cost in order to maximize number of homes served.

(2) Focus efforts on residences newly impacted by increased noise levels.
AMENDMENT TO H.R. 2500
OFFERED BY MR. LARSEN

In section 4301, relating to the Office of Economic Adjustment, increase the amount for Line 450 by $5,000,000.

In section 4301, relating to the Office of the Secretary of Defense, reduce the amount for Line 460, by $5,000,000.
Amendment to H.R. 2500
National Defense Authorization Act for Fiscal Year 2020

Offered by: Ms. GABBARD of Hawai‘i

In the appropriate place in the report to accompany H.R. 2500, insert the following new Directive Report Language:

Report on Phytoremediation to Clear Heavy Metal Contaminants

The committee directs the Secretary of Defense to submit a report to Congress before May 1, 2020 on the use of plants that have hyperaccumulatory and phytoremediation capabilities to clear contaminants from or related to heavy metal contamination, including but not limited to arsenic, lead, mercury, copper, chromium, and nickel, and other related toxic areas, including for contaminants in soil, water, and air.
AMENDMENT TO H.R. 2500
OFFERED BY MS. TORRES SMALL OF NEW MEXICO

At the appropriate place in title III, insert the following:

1 SEC. 3. PROVISION OF UNCONTAMINATED WATER FOR AGRICULTURAL USE ON LAND CONTAMINATED BY PFOS AND PFOA USED ON MILITARY INSTALLATIONS.

(a) FINDINGS.—Congress makes the following findings:

(1) Perfluorooctanesulfonic acid (in this section referred to as "PFOS") and perfluorooctanoic acid (in this section referred to as "PFOA") are part of a class of man-made chemicals that have been used in a variety of industrial and consumer products to make the products resist heat, stains, water, and grease. Because PFOS and PFOA extinguish petroleum fires quickly, the Department of Defense and commercial airports began using aqueous film forming foam containing PFOS and PFOA in the 1970s.

(2) PFOS and PFOA can accumulate and stay in the body for long periods of time. Exposure to
PFOS and PFOA may cause health problems, including issues with the reproductive system, liver and kidney damage, developmental issues in children, and negatively impacted immune system, and cancer.

(3) A common method of human exposure to PFOS and PFOA is by consuming contaminated drinking water.

(4) The Environmental Protection Agency issued lifetime health advisories under the Safe Drinking Water Act for individual or combined PFOS and PFOA concentrations at 70 parts per trillion in 2016, but has not yet issued any guidance or regulation for groundwater or agricultural water.

(5) The Department of Defense has provided mitigations in many communities where drinking water has tested at or above the lifetime health advisory level, including bottled water and drinking water filtration systems. Due to the lack of regulatory guidance, these mitigations have not been mirrored in agricultural water systems.

(6) As a result, farmers located adjacent to military installations with PFOS and PFOA contamination that has migrated off-installation are potentially impacted, and in at least one case, such
contamination has had a serious impact on the livelihood of a dairy farmer.

(b) AUTHORITY TO PROVIDE UNCONTAMINATED WATER FOR AGRICULTURAL PURPOSES.—

(1) IN GENERAL.—If an area has been identified under paragraph (2), and a military installation has been determined to be the source of that contamination, the Secretary of Defense or the Secretary concerned may provide, for the purpose of producing agricultural products destined for human consumption—

(A) water sources uncontaminated with perfluoroalkyl and polyfluoroalkyl substances, including PFOA and PFOS, or

(B) treatment of contaminated waters.

(2) IDENTIFICATION OF AREAS.—An area identified under this paragraph is an area for which the level of PFOA or PFOS contamination—

(A) is above the lifetime health advisory for contamination for such compounds as issued by the Environmental Protection Agency and printed in the Federal Register on May 25, 2016;

(B) is at or above a regulatory standard set by the Food and Drug Administration for
PFOA and PFOS in raw agricultural commodities and milk; or

(C) is at or above a duly promulgated, non-discriminatory standard promulgated by a State regulatory entity for PFOA and PFOS in raw agricultural commodities and milk.

(3) SOURCE OF FUNDS.—Amounts used to carry out this section shall be derived—

(A) in the case of amounts made available by the Secretary concerned, from amounts authorized to be appropriated for Operation and Maintenance for the military department concerned; or

(B) in the case of amounts made available by the Secretary of Defense, from amounts authorized to be appropriated for Operation and Maintenance, Defense-wide.

(c) SENSE OF CONGRESS REGARDING LAND ACQUISITION.—It is the sense of Congress that the Secretary concerned should explore authorities under which the Secretary could acquire land the land adjacent to military installations where the owners of the land have experienced impacts to their livelihood due to PFOS and PFOA contamination that has been verified to have been caused by
that installation, including the authorities under sections 2663, 2864a, and 2869 of title 10, United States Code.
AMENDMENT TO H.R. 2500  
OFFERED BY MR. BROWN OF MARYLAND  

At the appropriate place in title II, insert the following new section:

1 SEC. 2. NATIONAL SECURITY COMMISSION ON DEFENSE RESEARCH AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES AND OTHER MINORITY INSTITUTIONS.

(a) ESTABLISHMENT.—

(1) IN GENERAL.—There is established in the executive branch an independent Commission to review the state of defense research at covered institutions.

(2) TREATMENT.—The Commission shall be considered an independent establishment of the Federal Government as defined by section 104 of title 5, United States Code, and a temporary organization under section 3161 of such title.

(3) DESIGNATION.—The Commission established under paragraph (1) shall be known as the “National Security Commission on Defense Research At Historically Black Colleges and Universities and Other Minority Institutions”.
(4) MEMBERSHIP.—

(A) COMPOSITION.—The Commission shall be composed of 11 members appointed as follows:

(i) The Secretary of Defense shall appoint 2 members.

(ii) The Secretary of Education shall appoint 1 member.

(iii) The Chairman of the Committee on Armed Services of the Senate shall appoint 1 member.

(iv) The Ranking Member of the Committee on Armed Services of the Senate shall appoint 1 member.

(v) The Chairman of the Committee on Armed Services of the House of Representatives shall appoint 1 member.

(vi) The Ranking Member of the Committee on Armed Services of the House of Representatives shall appoint 1 member.

(vi) The Chairman of the Committee on Health, Education, Labor, and Pensions of the Senate shall appoint 1 member.
(viii) The Ranking Member of the Committee on Health, Education, Labor, and Pensions of the Senate shall appoint 1 member.

(ix) The Chairman of the Committee on Education and Labor of the House of Representatives shall appoint 1 member.

(x) The Ranking Member of the Committee on Education and Labor of the House of Representatives shall appoint 1 member.

(B) DEADLINE FOR APPOINTMENT.—Members shall be appointed to the Commission under subparagraph (A) not later than 90 days after the date on which the commission is established.

(C) EFFECT OF LACK OF APPOINTMENT BY APPOINTMENT DATE.—If one or more appointments under subparagraph (A) is not made by the appointment date specified in subparagraph (B), or if a position described in subparagraph (A) is vacant for more than 90 days, the authority to make such appointment shall transfer to the Chair of the Commission.
(5) **Chair and Vice Chair.**—The Commission shall elect a Chair and Vice Chair from among its members.

(6) **Terms.**—Members shall be appointed for the life of the Commission. A vacancy in the Commission shall not affect its powers and shall be filled in the same manner as the original appointment was made.

(7) **Status as Federal Employees.**—Notwithstanding the requirements of section 2105 of title 5, United States Code, including the required supervision under subsection (a)(3) of such section, the members of the Commission shall be deemed to be Federal employees.

(b) **Duties.**—

(1) **In General.**—The Commission shall carry out the review described in paragraph (2). In carrying out such review, the Commission shall consider the methods and means necessary to advance research capacity at covered institutions to comprehensively address the national security and defense needs of the United States.

(2) **Scope of the Review.**—In conducting the review under paragraph (1), the Commission shall consider the following:
(A) The competitiveness of covered institutions in developing, pursuing, capturing, and executing defense research with the Department of Defense through contracts and grants.

(B) Means and methods for advancing the capacity of covered institutions to conduct research related to national security and defense.

(C) The advancements and investments necessary to elevate covered institutions to R2 status on the Carnegie Classification of Institutions of Higher Education, covered institutions to R1 status on the Carnegie Classification of Institutions of Higher Education, one covered institution or a consortium of multiple covered institutions to the capability of a University Affiliated Research Center, and identify the candidate institutions for each category.

(D) The facilities and infrastructure for defense-related research at covered institutions as compared to the facilities and infrastructure at universities classified as R1 status on the Carnegie Classification of Institutions of Higher Education.
(E) Incentives to attract, recruit, and retain leading research faculty to covered institutions.

(F) The legal and organizational structure of the contracting entity of covered institutions as compared to the legal and organizational structure of the contracting entity of covered institutions at universities classified as R1 status on the Carnegie Classification of Institutions of Higher Education.

(G) The ability of covered institutions to develop, protect, and commercialize intellectual property created through defense-related research.

(H) The amount of defense research funding awarded to all colleges and universities through contracts and grants for the fiscal years of 2010 through 2019, including—

(i) the legal mechanism under which the organization was formed;

(ii) the total value of contracts and grants awarded to the organization during fiscal years 2010 to 2019;

(iii) the overhead rate of the organization for fiscal year 2019;
(iv) the Carnegie Classification of Institutions of Higher Education of the associated university or college;

(v) if the associated university or college qualifies as a historically Black college or university or a minority institution.

(I) Areas for improvement in the programs executed under section 2362 of title 10, United States Code, the existing authorization to enhance defense-related research and education at covered institutions.

(J) Previous executive or legislative actions by the Federal Government to address the imbalance in federal research funding, such as the Established Program to Stimulate Competitive Research (commonly known as “EPSCoR”).

(K) Any other matters the Commission deems relevant to the advancing the defense research capacity of covered institutions.

(c) REPORTS.—

(1) INITIAL REPORT.—Not later than 180 days after the date of the enactment of this Act, the Commission shall submit to the President and Congress an initial report on the findings of the Commission and such recommendations that the Com-
mission may have for action by the executive branch and Congress related to the covered institutions participating in Department of Defense research and actions necessary to expand their research capacity.

(2) Final Report.—Prior to the date on which the commission terminates under subsection (d), the Commission shall submit to the President and Congress a comprehensive report on the results of the review required under subsection (b).

(3) Form of Reports.—Reports submitted under this subsection shall be made publically available.

(d) Termination.—The Commission shall terminate on December 31, 2021.

(e) Covered Institution Defined.—In this section, the term “covered institution” means—

(1) a part B institution (as that term is defined in section 322(2) of the Higher Education Act of 1965 (20 U.S.C. 1061(2)); or

(2) any other institution of higher education (as that term is defined in section 101 of such Act (20 U.S.C. 1001)) at which not less than 50 percent of the total student enrollment consists of students
1 from ethnic groups that are underrepresented in the
2 fields of science and engineering.
AMENDMENT TO H.R. 2500

OFFERED BY MR. BROWN OF MARYLAND

(funding table amendment)

In section 4201 of division D, relating to Research, Development, Test & Eval, DW, increase the amount for the National Security Commission on Defense Research At Historically Black Colleges and Universities and Other Minority Institutions, Line 006, PE 0601228D8Z, by $5,000,000.

In section 4201 of division D, relating to Research, Development, Test & Eval, DW, reduce the amount for Historically Black Colleges and Universities/Minority Institutions, Line 006, PE 0601228D8Z, by $5,000,000.
AMENDMENT TO H.R. 2500
OFFERED BY MR. BROWN OF MARYLAND
(National Defense Authorization Bill)

At the end of subtitle B of title XXVIII, add the following new section:

SEC. 28. DEPARTMENT OF DEFENSE INSPECTION AUTHORITY REGARDING PRIVATIZED MILITARY HOUSING.

(a) INSPECTION AUTHORITY.—Section 2885 of title 10, United States Code, is amended by adding at the end the following new subsection:

"(g) POST-CONSTRUCTION ACCESS AND INSPECTION AUTHORITY.—"

“(1) REQUIREMENT.—The Secretary concerned shall retain the authority after the completion of a military housing privatization project to access and inspect any military housing unit, ancillary supporting facility, or common area acquired, constructed, or renovated as part of the project in order to protect the health and safety of members of the armed forces and their dependents who occupy the privatized military housing units."
"(2) NOTICE AND RIGHT OF REFUSAL OF ACCESS AND INSPECTION.—The Secretary concerned shall ensure that the individuals who lease or are assigned a military housing unit—

"(A) are provided not less than 48 hours notice prior to the Secretary concerned accessing and inspecting the unit as authorized under paragraph (1); and

"(B) have the right to refuse the Secretary concerned such access."

(b) RETROACTIVE APPLICATION OF AMENDMENT.—Subsection (g) of section 2885 of title 10, United States Code, as added by subsection (a), shall apply to each military housing privatization project completed prior to the date of the enactment of this Act, and to each such project completed on or after such date.
AMENDMENT TO H.R. 2500
OFFERED BY MR. BROWN OF MARYLAND

At the appropriate place in title II insert the following new section:

SEC. 2. DIRECT AIR CAPTURE AND BLUE CARBON REMOVAL TECHNOLOGY PROGRAM.

(a) PROGRAM AUTHORIZED.—

(1) IN GENERAL.—The Secretary of Defense, in coordination with the Secretary of Homeland Security, the Secretary of Energy, and the heads of such other Federal agencies as the Secretary of Defense considers appropriate, may carry out a program on research, development, testing, evaluation, study, and demonstration of technologies related to blue carbon capture and direct air capture.

(2) PROGRAM GOALS.—The goals of the program established under paragraph (1) are as follows:

(A) To develop technologies that capture carbon dioxide from seawater and the air to turn such carbon dioxide into clean fuels to enhance fuel and energy security.

(B) To develop and demonstrate technologies that capture carbon dioxide from sea-
water and the air to reuse such carbon dioxide to create products for military uses.

(C) To develop direct air capture technologies for use—

(i) at military installations or facilities of the Department of Defense; or

(ii) in modes of transportation by the Navy or the Coast Guard.

(3) PHASES.—The program established under paragraph (1) shall be carried out in two phases as follows:

(A) The first phase may consist of research and development and shall be carried out as described in subsection (b).

(B) The second phase shall consist of testing and evaluation and shall be carried out as described in subsection (c), if the Secretary determines that the results of the research and development phase justify implementing the testing and evaluation phase.

(4) DESIGNATION.—The program established under paragraph (1) shall be known as the "Direct Air Capture and Blue Carbon Removal Technology Program" (in this section referred to as the “Program”).
(b) **RESEARCH AND DEVELOPMENT PHASE.**—

(1) **IN GENERAL.**—During the research and development phase of the Program, the Secretary of Defense may conduct research and development in pursuit of the goals set forth in subsection (a)(2).

(2) **DIRECT AIR CAPTURE.**—The research and development phase of the Program may include, with respect to direct air capture, a front end engineering and design study that includes an evaluation of direct air capture designs to produce fuel for use—

(A) at military installations or facilities of the Department of Defense; or

(B) in modes of transportation by the Navy or the Coast Guard.

(3) **DURATION.**—The Secretary may carry out the research and development phase of the Program commencing not later than 90 days after the date of the enactment of this Act.

(4) **GRANTS AUTHORIZED.**—The Secretary may carry out the research and development phase of the Program through the award of grants to private persons and eligible laboratories.

(5) **REPORT REQUIRED.**—Not later than 180 days after the date of the completion of the research and development phase of the Program, the Sec-
(c) Testing and Evaluation Phase.—

(1) In General.—During the testing and evaluation phase of the Program, the Secretary may, in pursuit of the goals set forth in subsection (a)(2), conduct tests and evaluations of the technologies researched and developed during the research and development phase of the Program.

(2) Direct Air Capture.—The testing and evaluation phase of the Program may include demonstration projects for direct air capture to produce fuel for use—

(A) at military installations or facilities of the Department of Defense; or

(B) in modes of transportation by the Navy or the Coast Guard.

(3) Duration.—Subject to subsection (a)(3)(B), the Secretary may carry out the testing and evaluation phase of the Program commencing on the date of the completion of the research and development phase described in subsection (b), except that the testing and evaluation phase of the Program with respect to direct air capture may com-
mence at such time after a front end engineering and design study demonstrates to the Secretary that commencement of such phase is appropriate.

(4) GRANTS AUTHORIZED.—The Secretary may carry out the testing and evaluation phase of the Program through the award of grants to private persons and eligible laboratories.

(5) LOCATIONS.—The Secretary shall carry out the testing and evaluation phase of the Program at military installations or facilities of the Department of Defense.

(6) REPORT REQUIRED.—Not later than September 30, 2026, the Secretary shall submit to Congress a report on the findings of the Secretary with respect to the effectiveness of the technologies tested and evaluated under the Program.

(d) DEFINITIONS.—In this section:

(1) BLUE CARBON CAPTURE.—The term "blue carbon capture" means the removal of dissolved carbon dioxide from seawater through engineered or inorganic processes, including filters, membranes, or phase change systems.

(2) DIRECT AIR CAPTURE.—

(A) IN GENERAL.—The term "direct air capture", with respect to a facility, technology,
or system, means that the facility, technology, or system uses carbon capture equipment to capture carbon dioxide directly from the air.

(B) EXCLUSION.—The term “direct air capture” does not include any facility, technology, or system that captures carbon dioxide—

(i) that is deliberately released from a naturally occurring subsurface spring; or

(ii) using natural photosynthesis.

(3) ELIGIBLE LABORATORY.—The term “eligible laboratory” means—

(A) a National Laboratory (as defined in section 2 of the Energy Policy Act of 2005 (42 U.S.C. 15801)); or

(B) the science and technology reinvention laboratories (as designated under section 1105 of the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84 ; 10 U.S.C. 2358 note));

(C) the Major Range and Test Facility Base (as defined in section 2358a(f)(3) of title 10, United States Code); and

(D) other facilities that support the research development, test, and evaluation activi-
ties of the Department of Defense or Department of Energy.
AMENDMENT TO H.R. 2500

OFFERED BY MR. BROWN OF MARYLAND

(funding table amendment)

In section 4201 of division D, relating to Research, Development, Test & Eval, Navy, increase the amount for Force Protection Applied Research, Line 005, PE 0602123N, by $10,000,000.

In section 4201 of division D, relating to Research, Development, Test & Eval, DW, reduce the amount for Advanced Innovative Technologies, Line 096, PE 0604250D8Z, by $10,000,000.
AMENDMENT TO H.R. 2500

OFFERED BY MR. BROWN OF MARYLAND

(funding table amendment)

In section 4201 of division D, relating to Research, Development, Test & Eval, Army, increase the amount for Future Vertical Lift Technology, Line 017, PE 0602148A, by $3,000,000.

In section 4201 of division D, relating to Research, Development, Test & Eval, DW, reduce the amount for Advanced Innovative Technologies, Line 096, PE 0604250D8Z, by $3,000,000.
AMENDMENT TO H.R. 2500
OFFERED BY MR. BROWN OF MARYLAND
(funding table amendment)

In section 4201 of division D, relating to Research, Development, Test & Eval, Navy, increase the amount for Advanced Surface Machinery Systems, Line 047, PE 0603573N, by $5,000,000.

In section 4201 of division D, relating to Research, Development, Test & Eval, DW, reduce the amount for Advanced Innovative Technologies, Line 096, PE 0604250D8Z, by $5,000,000.
Amendment to H.R. 2500
National Defense Authorization Act for Fiscal Year 2020

Offered by: Rep. Robert J. Wittman (VA-01)

In the appropriate place in the report to accompany H.R. 2500, insert the following new Directive Report Language:

Medium Power Mobile Transformer Substations

The committee is aware of the Department of Defense’s continuing interest in grid resiliency as it pertains to military installations. The committee is interested in understanding and determining the military installations with the greatest critical energy requirements and exhibiting the most significant energy resilience vulnerabilities. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by February 1, 2020, on the ten military installations with the greatest critical energy requirements and their top five installation critical energy vulnerabilities and appropriate mitigation strategies, strategies to ensure resilience, and mature technologies that enhance capabilities.
Amendment to H.R. 2500
National Defense Authorization Act for Fiscal Year 2020

Offered by: Mr. Cisneros of California

In the portion of the report to accompany H.R. 2500 titled “Military Personnel Policy”, insert as a new Section 5xx, the following new text:

“Report on Access to Court Filings and Materials for Victims

The committee remains concerned that, under the current military justice procedure, prosecutors and military courts apply different and inconsistent approaches with respect to military sexual assault victims’ access to court filings and nonprivileged information derived directly from and pertaining directly to the victim. The committee is also concerned that recent changes in military law addressing access to court filings and investigation information have not resulted in timely, consistent and widespread access to relevant information for victims. The committee recognizes that victims benefit from access to pre-trial investigation materials that directly relate to them because it allows them and their counsel to prepare for trial. Therefore, the committee directs the Secretary of Defense to submit a report to the Committee on Armed Services of the House of Representatives by March 1, 2020, addressing the following questions with regards to establishing a clear standard through law for victims and victims’ counsel to have access to all nonprivileged court filings and related materials derived directly from and pertaining directly to the victim:

(1) Does such a standard impact victims’ privacy and make it harder to gain a conviction? If so, how, and what mitigating measures can be put into place?

(2) Does such a standard impact the ability to execute and conclude a fair trial? If so, how, and what mitigating measures can be put into place?

(3) What types of filings and materials would be covered under such a standard?

(4) How does access to all nonprivileged court filings and related materials derived directly from and pertaining directly to the victim impact the case for the prosecution and defense?

(5) Can the victim receive adequate legal representation and protection of his or her rights without access to all nonprivileged court filings and related materials derived directly from and pertaining directly to the victim?”
AMENDMENT TO H.R. 2500

OFFERED BY MS. SLOTKIN OF MICHIGAN

In section 313, insert "or before such date, if possible" after "September 30, 2029".

◊
AMENDMENT TO H.R. 2500

OFFERED BY MRS. HARTZLER OF MISSOURI

(funding table amendment)

In section 4101 of division D, relating to other procurement, Air Force, increase the amount for cargo and utility vehicles, Line 004, by $455,000.

In section 4101 of division D, relating to other procurement, Air Force, increase the amount for runway snow removal and cleaning equipment, Line 010, by $334,000.

In section 4101 of division D, relating to other procurement, Air Force, increase the amount for base maintenance support vehicles, Line 011, by $2,100,000.

In section 4101 of division D, relating to other procurement, Air Force, reduce the amount for wide area surveillance, Line 034, by $2,889,000.
AMENDMENT TO H.R. 2500
OFFERED BY MS. KENDRA S. HORN OF OKLAHOMA

At the appropriate place in title V, insert the following new section:

SEC. 5. PROGRAMES OF SCHOLARSHIPS FOR MEMBERS OF JUNIOR RESERVE OFFICERS’ TRAINING CORPS UNITS TOWARD OBTAINING PRIVATE PILOT’S CERTIFICATES.

(a) PROGRAMS AUTHORIZED.—Each Secretary of a military department may carry out a program to award scholarships to qualified members of units of the Junior Reserve Officers’ Training Corps under the jurisdiction of such Secretary to assist such members in obtaining a private pilot’s certificate through an institution of higher education with an accredited aviation program that is approved by such Secretary pursuant to subsection (c).

(b) MEMBER QUALIFICATIONS.—

(1) IN GENERAL.—In carrying out a program under subsection (a), the Secretary of a military department shall prescribe the standards to be met by members of units of the Junior Reserve Officers’ Training Corps under the jurisdiction of such Sec-
Secretary to be eligible for the award of a scholarship under the program.

(2) **Uniformity Across Military Departments.**—To the extent practicable, the standards prescribed under this subsection shall be uniform across the military departments.

**c) Approved Institutions of Higher Education.**—

(1) **In General.**—In carrying out a program under subsection (a), the Secretary of a military department shall maintain a list of institutions of higher education (as that term is defined in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001)) at which a scholarship awarded under the program may be used toward obtaining a private pilot’s certificate.

(2) **Qualifications and Standards.**—Any institution of higher education included on a list under this subsection, and any course of instruction toward obtaining a private pilot’s certificate offered by such institution, shall meet such qualifications and standards as the Secretary shall prescribe for purposes of the program. Such qualifications and standards shall include a requirement that any institution included on the list award academic credit at
such institution to any member awarded a scholarship under the program for work (whether or not fully completed) on the ground school course of instruction of such institution in connection with obtaining a private pilot's certificate.

(d) SCHOLARSHIP.—

(1) AMOUNT.—The amount of the scholarship awarded a member of a Junior Reserve Officers' Training Corps under a program under subsection (a) shall be such amount as the Secretary of the military department concerned considers appropriate to defray, whether in whole or in part, the charges and fees of a course of instruction toward obtaining a private pilot's certificate offered by the institution of higher education to be attended by the member in obtaining the certificate.

(2) USE.—A scholarship awarded a member under a program may be used by the member only to defray the charges and fees of an institution of higher education for a course of instruction toward obtaining a private pilot's certificate.

(3) MAINTENANCE OF MEMBERSHIP.—A scholarship awarded an individual under a program may be used by the individual only while the individual...
maintains membership in a unit of a Junior Reserve Officers' Training Corps.

(e) ANNUAL REPORTS ON PROGRAMS.—

(1) IN GENERAL.—Not later than February 28, 2021, and each year thereafter, each Secretary of a military department shall submit to Congress a report on the program, if any, carried out by such Secretary during the preceding calendar year.

(2) ELEMENTS.—Each report under paragraph (1) shall include, for the program and year covered by such report, the following:

(A) The number of scholarships awarded.

(B) The total amount of scholarships awarded.

(C) The work undertaken through such scholarships, including the number of recipients who fully completed a ground school course of instruction in connection with obtaining a private pilot's certificate.

(f) ASSESSMENT OF RELATED PILOT PROGRAM.—

(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report setting forth the results of an assessment, conducted by the study group described in paragraph (2) for
purposes of the report, of the pilot program conducted by the Air Force in 2018 and 2019 known as the "Air Force JROTC Flight Academy, Chief of Staff Private Pilot Scholarship Program".

(2) STUDY GROUP.—The study group described in this paragraph shall include the following:

(A) A representative of the Department of Defense, selected by the Secretary of Defense.

(B) A representative of the headquarters of the Air Force Junior Reserve Officers’ Training Corps with experience with the pilot program, selected by the Secretary of the Air Force.

(C) In addition to the representative under subparagraph (B), a representative of each military department, selected by the Secretary of such military department.

(D) A representative of the Department of Transportation, selected by the Secretary of Transportation.

(E) A representative of the Department of Education, selected by the Secretary of Education.
(F) Representatives of such private organizations and entities as the Secretary of Defense considers appropriate.

(3) ELEMENTS.—The assessment required by paragraph (1) shall identify best practices in assisting members of the Junior Reserve Officers' Training Corps in obtaining a private pilot's certificate through institutions of higher education, including the most appropriate funding mechanisms for such practices.
AMENDMENT TO H.R. 2500
OFFERED BY MR. KIM
(funding table amendment)

In section 4101 of division D, relating to other procurement, Navy, increase the amount for ship missile support equipment, Line 098, by $40,200,000.

In section 4101 of division D, relating to shipbuilding and conversion, Navy, reduce the amount for ship to shore connector, Line 024, by $40,200,000.
AMENDMENT TO H.R. 2500
OFFERED BY MS. SPEIER OF CALIFORNIA

At the appropriate place in title 5, insert the following:

1 SEC. 5. JROTC COMPUTER SCIENCE AND CYBERSECURITY PROGRAM.

Chapter 102 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 2036. Computer science and cybersecurity program

(a) PROGRAM AUTHORIZED.—The Secretary of Defense may carry out a program to enhance the preparation of students in the Junior Reserve Officers’ Training Corps for careers in computer science and cybersecurity.

(b) COORDINATION.—In carrying out the program, the Secretary shall coordinate with the following:

(1) The Secretaries of the military departments.

(2) The Secretary of Education.

(3) The National Science Foundation.

(4) The heads of such other Federal, State, and local government entities the Secretary of Defense determines appropriate.
“(5) Private sector organizations the Secretary of Defense determines appropriate.

“(c) ACTIVITIES.—Activities under the program may include the following:

“(1) Establishment of targeted internships and cooperative research opportunities in computer science and cybersecurity at defense laboratories and other technical centers for students in and instructors of the Junior Reserve Officers’ Training Corps.

“(2) Funding for training and other supports for instructors to teach evidence-based courses in computer science and cybersecurity to students.

“(3) Efforts and activities that improve the quality of cybersecurity and computer science educational, training opportunities, and curricula for students and instructors.

“(4) Development of travel opportunities, demonstrations, mentoring programs, and informal computer science and cybersecurity education for students and instructors.

“(d) METRICS.—The Secretary shall establish outcome-based metrics and internal and external assessments to evaluate the merits and benefits of activities conducted under the program with respect to the needs of the Department of Defense.
“(e) AUTHORITIES.—In carrying out the program, the Secretary shall, to the maximum extent practicable, make use of the authorities under section 2193b, chapter 111, and sections 2601, 2605, and 2374a of this title, section 219 of the Duncan Hunter National Defense Authorization Act for Fiscal Year 2009 (Public Law 110–417; 10 U.S.C. 2358 note), and other authorities the Secretary determines appropriate.

“(f) REPORT.—Not later than two years after the date of the enactment of the National Defense Authorization Act for Fiscal Year 2020, the Secretary shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on activities carried out under the program.”.