

## En Bloc Amendments to H.R. 2500

### Full Committee En Bloc # 5

Log #	Sponsor	Description
<b>026r3</b>	<b>Turner</b>	Adds an exception that the Open Skies Treaty may be withdrawn from if the Secretary of Defense certify that doing so is in the best interest of the National Security of the U.S. and requires other state parties to the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.
<b>040</b>	<b>Speier</b>	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.
<b>050</b>	<b>Hill</b>	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.
<b>067r1</b>	<b>Gaetz</b>	Increases overwater telemetric funding by \$16,000,000 in AF RDT&E.
<b>075r2</b>	<b>Larsen</b>	Creating a \$5 million pilot program to install noise mitigation at private residences impacted by military aviation noise.
<b>084r3</b>	<b>Gabbard</b>	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.
<b>093r1</b>	<b>Torres Small</b>	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.
<b>102r4</b>	<b>Brown</b>	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.
<b>113r1</b>	<b>Brown</b>	Allows commanders to inspect private military housing on base, with 48 hour notice and a right of refusal for the tenant.
<b>114r3</b>	<b>Brown</b>	Authorizes a program for carbon capture from the sea to support energy security and increase the efficiency of forward deployed units
<b>117r1</b>	<b>Brown</b>	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.
<b>118r1</b>	<b>Brown</b>	Increases funding for silicon carbide power electronics in support of integration of directed energy systems on naval vessels.
<b>132r1</b>	<b>Wittman</b>	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.
<b>135r2</b>	<b>Cisneros</b>	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.
<b>139</b>	<b>Slotkin</b>	Requests DoD ceases using AFFF sooner than the 2029 deadline, if able.

**Full Committee  
En Bloc # 5**

<b>Log #</b>	<b>Sponsor</b>	<b>Description</b>
<b>144r1</b>	<b>Hartzler</b>	This amendment would increase funding for Air Force civil engineering equipment by \$2.889 million.
<b>148r1</b>	<b>Horn</b>	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.
<b>163r1</b>	<b>Kim</b>	Increase Other Procurement Navy, Line 098 ship missile support equipment by \$40.2 M and offset reducing Shipbuilding & Conversion, Navy Line 024 by \$40.2 M.
<b>179r1</b>	<b>Speier</b>	Directs DoD Secretary to carry out a program to enhance the preparation of students in JROTC for careers in computer science and cybersecurity.

Majority counteroffer  
26r3  
Log 026r3

**AMENDMENT TO H.R. 2500**  
**OFFERED BY MR. TURNER**

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

1           (2) EXCEPTION.—The prohibition in paragraph  
2           (1) shall not apply if the Secretary of Defense and  
3           the Secretary of State jointly determine and certify  
4           to the congressional defense committees, the Com-  
5           mittee on Foreign Relations of the Senate, and the  
6           Committee on Foreign Affairs of the House of Rep-  
7           resentatives that—

8                   (A) Russia is in material breach of its obli-  
9                   gations under the Open Skies Treaty and is not  
10                   taking steps to return to compliance with such  
11                   obligations, and all other state parties to the  
12                   Open Skies Treaty concur in such determina-  
13                   tion of the Secretaries; or

14                   (B) withdrawing from the Open Skies  
15                   Treaty would be in the best interests of the  
16                   United States' national security and the other  
17                   state parties to the Open Skies Treaty have  
18                   been consulted with respect to such withdrawal.

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**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 INSTALLA-**  
4 **TIONS 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.

1           (2) CRIMINAL JUSTICE MATTERS.—The crimi-  
2           nal justice matters specified in this paragraph, with  
3           respect to a State, are the following:

4                   (A) Victim rights.

5                   (B) Prosecution of criminal offenses.

6                   (C) Sentencing for conviction of criminal  
7           offenses.

8           (b) ALLEGED SEX-RELATED OFFENSE DEFINED.—

9           In this section, the term “alleged sex-related offense”  
10          means any allegation of—

11                   (1) a violation of section 920, 920b, 920c, or  
12                   930 of title 10, United States Code (article 120,  
13                   120b, 120c, or 130 of the Uniform Code of Military  
14                   Justice); or

15                   (2) an attempt to commit an offense specified  
16                   in a paragraph (1) as punishable under section 880  
17                   of title 10, United States Code (article 80 of the  
18                   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:

1 **SEC. 11\_\_ . PERMITTED DISCLOSURES BY WHISTLE-**  
2 **BLOWERS.**

3 (a) RECIPIENTS OF WHISTLEBLOWER DISCLO-  
4 SURES.—Section 2302(b)(8)(B) of title 5, United States  
5 Code, is amended by striking “or to the Inspector” and  
6 all that follows through “such disclosures” and inserting  
7 “the Inspector General of an agency, a supervisor in the  
8 employee’s direct chain of command up to and including  
9 the head of the employing agency, or to an employee des-  
10 ignated by any of the aforementioned individuals for the  
11 purpose of receiving such disclosures”.

12 (b) DETERMINATION OF BUDGETARY EFFECTS.—  
13 The budgetary effects of this section, for the purpose of  
14 complying with the Statutory Pay-As-You-Go Act of 2010,  
15 shall be determined by reference to the latest statement  
16 titled “Budgetary Effects of PAYGO Legislation” for this  
17 section, submitted for printing in the Congressional  
18 Record by the Chairman of the House Budget Committee,

- 1 provided that such statement has been submitted prior to
- 2 the vote on passage.



Log 067r1

**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.



Revised Log 075r1

log 075r2

**AMENDMENT TO H.R. 2500**

**OFFERED BY MR. LARSEN OF WASHINGTON**

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

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

4 (a) **IN GENERAL.**—The Secretary of Defense shall  
5 carry out a five-year pilot program under which the com-  
6 mander of a military installation may provide funds for  
7 the purpose of installing noise insulation on private resi-  
8 dences impacted by military aviation noise from the instal-  
9 lation.

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

13 (1) provide at least 50 percent of the funds re-  
14 quired to carry out the noise insulation; and

15 (2) ensure that the noise at any private resi-  
16 dence where insulation is installed is reduced by at  
17 least 5 dB.

1 (c) USE OF FUNDS.—Funds provided under the pilot  
2 program shall be used for the installation of noise insula-  
3 tion at a residence—

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

10 (2) where interior noise has been measured at  
11 45 dB day-night average sound level by the installa-  
12 tion.

13 (d) GOALS AND BEST PRACTICES.—In carrying out  
14 the pilot program under this section, a commander shall  
15 use the following goals and best practices:

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

18 (2) Focus efforts on residences newly impacted  
19 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.

log 08/1/23

**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**  
2 **AGRICULTURAL USE ON LAND CONTAMI-**  
3 **NATED BY PFOS AND PFOA USED ON MILI-**  
4 **TARY INSTALLATIONS.**

5 (a) **FINDINGS.**—Congress makes the following find-  
6 ings:

7 (1) Perfluorooctanesulfonic acid (in this section  
8 referred to as “PFOS”) and perfluorooctanoic acid  
9 (in this section referred to as “PFOA”) are part of  
10 a class of man-made chemicals that have been used  
11 in a variety of industrial and consumer products to  
12 make the products resist heat, stains, water, and  
13 grease. Because PFOS and PFOA extinguish petro-  
14 leum fires quickly, the Department of Defense and  
15 commercial airports began using aqueous film form-  
16 ing foam containing PFOS and PFOA in the 1970s.

17 (2) PFOS and PFOA can accumulate and stay  
18 in the body for long periods of time. Exposure to

1 PFOS and PFOA may cause health problems, in-  
2 cluding issues with the reproductive system, liver  
3 and kidney damage, developmental issues in chil-  
4 dren, and negatively impacted immune system, and  
5 cancer.

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

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

15 (5) The Department of Defense has provided  
16 mitigations in many communities where drinking  
17 water has tested at or above the lifetime health advi-  
18 sory level, including bottled water and drinking  
19 water filtration systems. Due to the lack of regu-  
20 latory guidance, these mitigations have not been  
21 mirrored in agricultural water systems.

22 (6) As a result, farmers located adjacent to  
23 military installations with PFOS and PFOA con-  
24 tamination that has migrated off-installation are po-  
25 tentially impacted, and in at least one case, such

1 contamination has had a serious impact on the liveli-  
2 hood of a dairy farmer.

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

5 (1) IN GENERAL.—If an area has been identi-  
6 fied under paragraph (2), and a military installation  
7 has been determined to be the source of that con-  
8 tamination, the Secretary of Defense or the Sec-  
9 retary concerned may provide, for the purpose of  
10 producing agricultural products destined for human  
11 consumption—

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

15 (B) treatment of contaminated waters.

16 (2) IDENTIFICATION OF AREAS.—An area iden-  
17 tified under this paragraph is an area for which the  
18 level of PFOA or PFOS contamination—

19 (A) is above the lifetime health advisory  
20 for contamination for such compounds as issued  
21 by the Environmental Protection Agency and  
22 printed in the Federal Register on May 25,  
23 2016;

24 (B) is at or above a regulatory standard  
25 set by the Food and Drug Administration for

1 PFOA and PFOS in raw agricultural commod-  
2 ities and milk; or

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

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

9 (A) in the case of amounts made available  
10 by the Secretary concerned, from amounts au-  
11 thorized to be appropriated for Operation and  
12 Maintenance for the military department con-  
13 cerned; or

14 (B) in the case of amounts made available  
15 by the Secretary of Defense, from amounts au-  
16 thorized to be appropriated for Operation and  
17 Maintenance, Defense-wide.

18 (c) SENSE OF CONGRESS REGARDING LAND ACQUI-  
19 SITION.—It is the sense of Congress that the Secretary  
20 concerned should explore authorities under which the Sec-  
21 retary could acquire land the land adjacent to military in-  
22 stallations where the owners of the land have experienced  
23 impacts to their livelihood due to PFOS and PFOA con-  
24 tamination that has been verified to have been caused by



1 that installation, including the authorities under sections  
2 2663, 2864a, and 2869 of title 10, United States Code.



Log 102r4

**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**  
2 **RESEARCH AT HISTORICALLY BLACK COL-**  
3 **LEGES AND UNIVERSITIES AND OTHER MI-**  
4 **NORITY INSTITUTIONS.**

5 (a) **ESTABLISHMENT.—**

6 (1) **IN GENERAL.—**There is established in the  
7 executive branch an independent Commission to re-  
8 view the state of defense research at covered institu-  
9 tions.

10 (2) **TREATMENT.—**The Commission shall be  
11 considered an independent establishment of the Fed-  
12 eral Government as defined by section 104 of title  
13 5, United States Code, and a temporary organiza-  
14 tion under section 3161 of such title.

15 (3) **DESIGNATION.—**The Commission estab-  
16 lished under paragraph (1) shall be known as the  
17 “National Security Commission on Defense Re-  
18 search At Historically Black Colleges and Univer-  
19 sities and Other Minority Institutions”.

1 (4) MEMBERSHIP.—

2 (A) COMPOSITION.—The Commission shall  
3 be composed of 11 members appointed as fol-  
4 lows:

5 (i) The Secretary of Defense shall ap-  
6 point 2 members.

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

9 (iii) The Chairman of the Committee  
10 on Armed Services of the Senate shall ap-  
11 point 1 member.

12 (iv) The Ranking Member of the  
13 Committee on Armed Services of the Sen-  
14 ate shall appoint 1 member.

15 (v) The Chairman of the Committee  
16 on Armed Services of the House of Rep-  
17 resentatives shall appoint 1 member.

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

22 (vi) The Chairman of the Committee  
23 on Health, Education, Labor, and Pen-  
24 sions of the Senate shall appoint 1 mem-  
25 ber.

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

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

8 (x) The Ranking Member of the Com-  
9 mittee on Education and Labor of the  
10 House of Representatives shall appoint 1  
11 member.

12 (B) DEADLINE FOR APPOINTMENT.—Mem-  
13 bers shall be appointed to the Commission  
14 under subparagraph (A) not later than 90 days  
15 after the date on which the commission is es-  
16 tablished.

17 (C) EFFECT OF LACK OF APPOINTMENT  
18 BY APPOINTMENT DATE.—If one or more ap-  
19 pointments under subparagraph (A) is not  
20 made by the appointment date specified in sub-  
21 paragraph (B), or if a position described in sub-  
22 paragraph (A) is vacant for more than 90 days,  
23 the authority to make such appointment shall  
24 transfer to the Chair of the Commission.

1           (5) CHAIR AND VICE CHAIR.—The Commission  
2 shall elect a Chair and Vice Chair from among its  
3 members.

4           (6) TERMS.—Members shall be appointed for  
5 the life of the Commission. A vacancy in the Com-  
6 mission shall not affect its powers and shall be filled  
7 in the same manner as the original appointment was  
8 made.

9           (7) STATUS AS FEDERAL EMPLOYEES.—Not-  
10 withstanding the requirements of section 2105 of  
11 title 5, United States Code, including the required  
12 supervision under subsection (a)(3) of such section,  
13 the members of the Commission shall be deemed to  
14 be Federal employees.

15          (b) DUTIES.—

16           (1) IN GENERAL.—The Commission shall carry  
17 out the review described in paragraph (2). In car-  
18 rying out such review, the Commission shall consider  
19 the methods and means necessary to advance re-  
20 search capacity at covered institutions to comprehen-  
21 sively address the national security and defense  
22 needs of the United States.

23           (2) SCOPE OF THE REVIEW.—In conducting the  
24 review under paragraph (1), the Commission shall  
25 consider the following:

1 (A) The competitiveness of covered institu-  
2 tions in developing, pursuing, capturing, and  
3 executing defense research with the Department  
4 of Defense through contracts and grants.

5 (B) Means and methods for advancing the  
6 capacity of covered institutions to conduct re-  
7 search related to national security and defense.

8 (C) The advancements and investments  
9 necessary to elevate covered institutions to R2  
10 status on the Carnegie Classification of Institu-  
11 tions of Higher Education, covered institutions  
12 to R1 status on the Carnegie Classification of  
13 Institutions of Higher Education, one covered  
14 institution or a consortium of multiple covered  
15 institutions to the capability of a University Af-  
16 filiated Research Center, and identify the can-  
17 didate institutions for each category.

18 (D) The facilities and infrastructure for  
19 defense-related research at covered institutions  
20 as compared to the facilities and infrastructure  
21 at universities classified as R1 status on the  
22 Carnegie Classification of Institutions of Higher  
23 Education.

1 (E) Incentives to attract, recruit, and re-  
2 tain leading research faculty to covered institu-  
3 tions.

4 (F) The legal and organizational structure  
5 of the contracting entity of covered institutions  
6 as compared to the legal and organizational  
7 structure of the contracting entity of covered  
8 institutions at universities classified as R1 sta-  
9 tus on the Carnegie Classification of Institu-  
10 tions of Higher Education.

11 (G) The ability of covered institutions to  
12 develop, protect, and commercialize intellectual  
13 property created through defense-related re-  
14 search.

15 (H) The amount of defense research fund-  
16 ing awarded to all colleges and universities  
17 through contracts and grants for the fiscal  
18 years of 2010 through 2019, including—

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

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

24 (iii) the overhead rate of the organiza-  
25 tion for fiscal year 2019;

1 (iv) the Carnegie Classification of In-  
2 stitutions of Higher Education of the asso-  
3 ciated university or college;

4 (v) if the associated university or col-  
5 lege qualifies as a historically Black college  
6 or university or a minority institution.

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

12 (J) Previous executive or legislative actions  
13 by the Federal Government to address the im-  
14 balance in federal research funding, such as the  
15 Established Program to Stimulate Competitive  
16 Research (commonly known as "EPSCoR").

17 (K) Any other matters the Commission  
18 deems relevant to the advancing the defense re-  
19 search capacity of covered institutions.

20 (c) REPORTS.—

21 (1) INITIAL REPORT.—Not later than 180 days  
22 after the date of the enactment of this Act, the  
23 Commission shall submit to the President and Con-  
24 gress an initial report on the findings of the Com-  
25 mission and such recommendations that the Com-



1 mission may have for action by the executive branch  
2 and Congress related to the covered institutions par-  
3 ticipating in Department of Defense research and  
4 actions necessary to expand their research capacity.

5 (2) FINAL REPORT.—Prior to the date on which  
6 the commission terminates under subsection (d), the  
7 Commission shall submit to the President and Con-  
8 gress a comprehensive report on the results of the  
9 review required under subsection (b).

10 (3) FORM OF REPORTS.—Reports submitted  
11 under this subsection shall be made publically avail-  
12 able.

13 (d) TERMINATION.—The Commission shall terminate  
14 on December 31, 2021.

15 (e) COVERED INSTITUTION DEFINED.—In this sec-  
16 tion, the term “covered institution” means—

17 (1) a part B institution (as that term is defined  
18 in section 322(2) of the Higher Education Act of  
19 1965 (20 U.S.C. 1061(2)); or

20 (2) any other institution of higher education (as  
21 that term is defined in section 101 of such Act (20  
22 U.S.C. 1001)) at which not less than 50 percent of  
23 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.

Log 113 r1

**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:

1 **SEC. 28** . **DEPARTMENT OF DEFENSE INSPECTION AU-**  
2 **THORITY REGARDING PRIVATIZED MILITARY**  
3 **HOUSING.**

4 (a) **INSPECTION AUTHORITY.**—Section 2885 of title  
5 10, United States Code, is amended by adding at the end  
6 the following new subsection:

7 “(g) **POST-CONSTRUCTION ACCESS AND INSPECTION**  
8 **AUTHORITY.**—

9 “(1) **REQUIREMENT.**—The Secretary concerned  
10 shall retain the authority after the completion of a  
11 military housing privatization project to access and  
12 inspect any military housing unit, ancillary sup-  
13 porting facility, or common area acquired, con-  
14 structed, or renovated as part of the project in order  
15 to protect the health and safety of members of the  
16 armed forces and their dependents who occupy the  
17 privatized military housing units.

MTG #2

1           “(2) NOTICE AND RIGHT OF REFUSAL OF AC-  
2           CESS AND INSPECTION.—The Secretary concerned  
3           shall ensure that the individuals who lease or are as-  
4           signed a military housing unit—

5                   “(A) are provided not less than 48 hours  
6                   notice prior to the Secretary concerned access-  
7                   ing and inspecting the unit as authorized under  
8                   paragraph (1); and

9                   “(B) have the right to refuse the Secretary  
10                  concerned such access.”.

11           (b) RETROACTIVE APPLICATION OF AMENDMENT.—

12           Subsection (g) of section 2885 of title 10, United States  
13           Code, as added by subsection (a), shall apply to each mili-  
14           tary housing privatization project completed prior to the  
15           date of the enactment of this Act, and to each such project  
16           completed on or after such date.



Log 114 r3

**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 . DIRECT AIR CAPTURE AND BLUE CARBON RE-**  
2 **MOVAL TECHNOLOGY PROGRAM.**

3 (a) PROGRAM AUTHORIZED.—

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

12 (2) PROGRAM GOALS.—The goals of the pro-  
13 gram established under paragraph (1) are as follows:

14 (A) To develop technologies that capture  
15 carbon dioxide from seawater and the air to  
16 turn such carbon dioxide into clean fuels to en-  
17 hance fuel and energy security.

18 (B) To develop and demonstrate tech-  
19 nologies that capture carbon dioxide from sea-

1 water and the air to reuse such carbon dioxide  
2 to create products for military uses.

3 (C) To develop direct air capture tech-  
4 nologies for use—

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

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

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

12 (A) The first phase may consist of re-  
13 search and development and shall be carried out  
14 as described in subsection (b).

15 (B) The second phase shall consist of test-  
16 ing and evaluation and shall be carried out as  
17 described in subsection (c), if the Secretary de-  
18 termines that the results of the research and  
19 development phase justify implementing the  
20 testing and evaluation phase.

21 (4) DESIGNATION.—The program established  
22 under paragraph (1) shall be known as the “Direct  
23 Air Capture and Blue Carbon Removal Technology  
24 Program” (in this section referred to as the “Pro-  
25 gram”).

1 (b) RESEARCH AND DEVELOPMENT PHASE.—

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

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

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

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

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

19 (4) GRANTS AUTHORIZED.—The Secretary may  
20 carry out the research and development phase of the  
21 Program through the award of grants to private per-  
22 sons and eligible laboratories.

23 (5) REPORT REQUIRED.—Not later than 180  
24 days after the date of the completion of the research  
25 and development phase of the Program, the Sec-



1       retary shall submit to Congress a report on the re-  
2       search and development carried out under the Pro-  
3       gram.

4       (c) TESTING AND EVALUATION PHASE.—

5           (1) IN GENERAL.—During the testing and eval-  
6       uation phase of the Program, the Secretary may, in  
7       pursuit of the goals set forth in subsection (a)(2),  
8       conduct tests and evaluations of the technologies re-  
9       searched and developed during the research and de-  
10      velopment phase of the Program.

11          (2) DIRECT AIR CAPTURE.—The testing and  
12      evaluation phase of the Program may include dem-  
13      onstration projects for direct air capture to produce  
14      fuel for use—

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

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

19          (3) DURATION.—Subject to subsection  
20      (a)(3)(B), the Secretary may carry out the testing  
21      and evaluation phase of the Program commencing  
22      on the date of the completion of the research and  
23      development phase described in subsection (b), ex-  
24      cept that the testing and evaluation phase of the  
25      Program with respect to direct air capture may com-

1       mence at such time after a front end engineering  
2       and design study demonstrates to the Secretary that  
3       commencement of such phase is appropriate.

4               (4) GRANTS AUTHORIZED.—The Secretary may  
5       carry out the testing and evaluation phase of the  
6       Program through the award of grants to private per-  
7       sons and eligible laboratories.

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

12              (6) REPORT REQUIRED.—Not later than Sep-  
13      tember 30, 2026, the Secretary shall submit to Con-  
14      gress a report on the findings of the Secretary with  
15      respect to the effectiveness of the technologies tested  
16      and evaluated under the Program.

17      (d) DEFINITIONS.—In this section:

18              (1) BLUE CARBON CAPTURE.—The term “blue  
19      carbon capture” means the removal of dissolved car-  
20      bon dioxide from seawater through engineered or in-  
21      organic processes, including filters, membranes, or  
22      phase change systems.

23              (2) DIRECT AIR CAPTURE.—

24              (A) IN GENERAL.—The term “direct air  
25      capture”, with respect to a facility, technology,

1 or system, means that the facility, technology,  
2 or system uses carbon capture equipment to  
3 capture carbon dioxide directly from the air.

4 (B) EXCLUSION.—The term “direct air  
5 capture” does not include any facility, tech-  
6 nology, or system that captures carbon diox-  
7 ide—

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

10 (ii) using natural photosynthesis.

11 (3) ELIGIBLE LABORATORY.—The term “eligi-  
12 ble laboratory” means—

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

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

21 (C) the Major Range and Test Facility  
22 Base (as defined in section 2358a(f)(3) of title  
23 10, United States Code); and

24 (D) other facilities that support the re-  
25 search development, test, and evaluation activi-

1 ties of the Department of Defense or Depart-  
2 ment of Energy.



Log 114 r3

**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.

Log 117r1

**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.

Log 118r1

**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.

Revision Log 132r1

**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.



Log 135 rev 2  
Log 135 rd

**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.

Log 148rd

**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:

1 **SEC. 5\_\_\_ . PROGRAMS OF SCHOLARSHIPS FOR MEMBERS**  
2 **OF JUNIOR RESERVE OFFICERS' TRAINING**  
3 **CORPS UNITS TOWARD OBTAINING PRIVATE**  
4 **PILOT'S CERTIFICATES.**

5 (a) PROGRAMS AUTHORIZED.—Each Secretary of a  
6 military department may carry out a program to award  
7 scholarships to qualified members of units of the Junior  
8 Reserve Officers' Training Corps under the jurisdiction of  
9 such Secretary to assist such members in obtaining a pri-  
10 vate pilot's certificate through an institution of higher  
11 education with an accredited aviation program that is ap-  
12 proved by such Secretary pursuant to subsection (c).

13 (b) MEMBER QUALIFICATIONS.—

14 (1) IN GENERAL.—In carrying out a program  
15 under subsection (a), the Secretary of a military de-  
16 partment shall prescribe the standards to be met by  
17 members of units of the Junior Reserve Officers'  
18 Training Corps under the jurisdiction of such Sec-

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1       retary to be eligible for the award of a scholarship  
2       under the program.

3               (2) UNIFORMITY ACROSS MILITARY DEPART-  
4       MENTS.—To the extent practicable, the standards  
5       prescribed under this subsection shall be uniform  
6       across the military departments.

7               (c) APPROVED INSTITUTIONS OF HIGHER EDU-  
8       CATION.—

9               (1) IN GENERAL.—In carrying out a program  
10       under subsection (a), the Secretary of a military de-  
11       partment shall maintain a list of institutions of high-  
12       er education (as that term is defined in section 101  
13       of the Higher Education Act of 1965 (20 U.S.C.  
14       1001)) at which a scholarship awarded under the  
15       program may be used toward obtaining a private pi-  
16       lot's certificate.

17               (2) QUALIFICATIONS AND STANDARDS.—Any  
18       institution of higher education included on a list  
19       under this subsection, and any course of instruction  
20       toward obtaining a private pilot's certificate offered  
21       by such institution, shall meet such qualifications  
22       and standards as the Secretary shall prescribe for  
23       purposes of the program. Such qualifications and  
24       standards shall include a requirement that any insti-  
25       tution included on the list award academic credit at

1 such institution to any member awarded a scholar-  
2 ship under the program for work (whether or not  
3 fully completed) on the ground school course of in-  
4 struction of such institution in connection with ob-  
5 taining a private pilot's certificate.

6 (d) SCHOLARSHIP.—

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

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

22 (3) MAINTENANCE OF MEMBERSHIP.—A schol-  
23 arship awarded an individual under a program may  
24 be used by the individual only while the individual

1 maintains membership in a unit of a Junior Reserve  
2 Officers' Training Corps.

3 (e) ANNUAL REPORTS ON PROGRAMS.—

4 (1) IN GENERAL.—Not later than February 28,  
5 2021, and each year thereafter, each Secretary of a  
6 military department shall submit to Congress a re-  
7 port on the program, if any, carried out by such  
8 Secretary during the preceding calendar year.

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

12 (A) The number of scholarships awarded.

13 (B) The total amount of scholarships  
14 awarded.

15 (C) The work undertaken through such  
16 scholarships, including the number of recipients  
17 who fully completed a ground school course of  
18 instruction in connection with obtaining a pri-  
19 vate pilot's certificate.

20 (f) ASSESSMENT OF RELATED PILOT PROGRAM.—

21 (1) IN GENERAL.—Not later than 180 days  
22 after the date of the enactment of this Act, the Sec-  
23 retary of Defense shall submit to Congress a report  
24 setting forth the results of an assessment, conducted  
25 by the study group described in paragraph (2) for

1 purposes of the report, of the pilot program con-  
2 ducted by the Air Force in 2018 and 2019 known  
3 as the “Air Force JROTC Flight Academy, Chief of  
4 Staff Private Pilot Scholarship Program”.

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

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

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

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

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

21 (E) A representative of the Department of  
22 Education, selected by the Secretary of Edu-  
23 cation.



1                   (F) Representatives of such private organi-  
2                   zations and entities as the Secretary of Defense  
3                   considers appropriate.

4                   (3) ELEMENTS.—The assessment required by  
5                   paragraph (1) shall identify best practices in assist-  
6                   ing members of the Junior Reserve Officers' Train-  
7                   ing Corps in obtaining a private pilot's certificate  
8                   through institutions of higher education, including  
9                   the most appropriate funding mechanisms for such  
10                  practices.



Revised Log 163r1  
Log 163

**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.

Log 179r1

**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**  
2 **CYBERSECURITY PROGRAM.**

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

5 **“§ 2036. Computer science and cybersecurity pro-**  
6 **gram**

7 **“(a) PROGRAM AUTHORIZED.—**The Secretary of De-  
8 fense may carry out a program to enhance the preparation  
9 of students in the Junior Reserve Officers’ Training Corps  
10 for careers in computer science and cybersecurity.

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

13 **“(1) The Secretaries of the military depart-**  
14 **ments.**

15 **“(2) The Secretary of Education.**

16 **“(3) The National Science Foundation.**

17 **“(4) The heads of such other Federal, State,**  
18 **and local government entities the Secretary of De-**  
19 **fense determines appropriate.**

1           “(5) Private sector organizations the Secretary  
2 of Defense determines appropriate.

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

5           “(1) Establishment of targeted internships and  
6 cooperative research opportunities in computer  
7 science and cybersecurity at defense laboratories and  
8 other technical centers for students in and instruc-  
9 tors of the Junior Reserve Officers’ Training Corps.

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

13           “(3) Efforts and activities that improve the  
14 quality of cybersecurity and computer science edu-  
15 cational, training opportunities, and curricula for  
16 students and instructors.

17           “(4) Development of travel opportunities, dem-  
18 onstrations, mentoring programs, and informal com-  
19 puter science and cybersecurity education for stu-  
20 dents and instructors.

21           “(d) METRICS.—The Secretary shall establish out-  
22 come-based metrics and internal and external assessments  
23 to evaluate the merits and benefits of activities conducted  
24 under the program with respect to the needs of the De-  
25 partment of Defense.

1       “(e) AUTHORITIES.—In carrying out the program,  
2 the Secretary shall, to the maximum extent practicable,  
3 make use of the authorities under section 2193b, chapter  
4 111, and sections 2601, 2605, and 2374a of this title, sec-  
5 tion 219 of the Duncan Hunter National Defense Author-  
6 ization Act for Fiscal Year 2009 (Public Law 110–417;  
7 10 U.S.C. 2358 note), and other authorities the Secretary  
8 determines appropriate.

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

