

SUBCOMMITTEE ON READINESS EN BLOC #1

LOG ID	REV	MEMBER	MARKUP LOC	DESCRIPTION	MARKUP ACT
684	3	Waltz, Michael	RDY	Housing Assessment for Military and Federal Civilian Employees	EB 1
692	0	Bacon, Don	RDY	Directs the Department of Defense to brief the committee on fuel tracking modernization	EB 1
703	0	Norcross, Donald	RDY	The Federal Firefighter Flexibility Act excludes hours worked as part of any trade time arrangement from the calculation of overtime pay for federal firefighters.	EB 1
713	0	Norcross, Donald	RDY	Aligns federal wage system areas with general schedule locality areas.	EB 1
714	0	Speier, Jackie	RDY	Directs the Secretary of the Navy to implement the Comptroller General's recommendations relating to fatigue management on Naval surface ships.	EB 1
732	1	Langevin, James	RDY	Expands use of combatant commander initiative funds for enhancing military installation resilience, reinforcing infrastructure against extreme weather, and providing military support to civilian authorities to more missions	EB 1
758	1	Bacon, Don	RDY	Directs the Department of Defense to report to the committee on the privatization of Navy and Air Force official traveler lodging	EB 1
771	1	Bacon, Don	RDY	Directs the Department of Defense to report to the committees on the use of Integrated Project Delivery principles in large and complex construction contracts	EB 1
791	0	Bergman, Jack	RDY	Report on National All-Domain Warfighting Center	EB 1
795	0	Houlahan, Chrissy	RDY	Directs a joint USDA/DoD research study and report on bioremediation of PFAS using mycological organic matter. There is academic research showing that bioremediation is a way to remove these chemicals, and that mushroom compost is one potential product for this purpose.	EB 1
800	1	Turner, Michael	RDY	DRL encouraging the Secretary of Defense to make recommendations for a DoD-wide program to use within the force fitness wearables to measure and promote readiness.	EB 1
806	0	Waltz, Michael	RDY	Prohibits DOD from utilizing Lowest Price Technically Acceptable (LPTA) contracts for fuel procurement in contingency ops by clarifying fuel delivery is a logistics service	EB 1
817	1	Banks, Jim	RDY	Report on Aging Military Equipment.	EB 1

LOG ID	REV	MEMBER	MARKUP LOC	DESCRIPTION	MARKUP ACT
829	0	Luria, Elaine G.	RDY	Would authorize the Secretary of the Navy to convey to the School Board of the City of Virginia Beach, Virginia a parcel of installation real property located at 121 West Lane and, consisting of approximately 2.77 acres, located adjacent to Oceana Boulevard at NAS Oceana.	EB 1
852	0	Crow, Jason	RDY	Requires the security risks associated with military installation resilience to be incorporated into existing DoD strategies and planning documents.	EB 1
853	1	Moulton, Seth	RDY	This DRL notes the importance of prototyping for national security technology development and fielding, and directs the Air Force to consider the inclusion MIT Lincoln Lab's Engineering Prototyping Facility (EPF) in its military construction request in Fiscal Year 2023.	EB 1
854	0	Brown, Anthony G.	RDY	Implements a pilot program for the use of data recorders on military tactical vehicles.	EB 1
856	0	Crow, Jason	RDY	Requires SecDef to develop and institute a process to ensure DoD to use analytical tools that are accurate and effective in projecting lifecycle costs and performance potential of energy resilience measures.	EB 1
861	1	Houlahan, Chrissy	RDY	DRL on DoD Housing Compliance, Disclosure, and Evaluation of Housing Facilities	EB 1
864	1	DesJarlais, Scott	RDY	Directs the SecAF to create a pilot program that allows AF test facilities to set up a reimbursable account to reimburse them for use of their testing facilities.	EB 1
875	2	Carbajal, Salud O.	RDY	Briefing on Mitigation Options for Potential Wind Turbine Interference on Radars	EB 1
877	1	Carbajal, Salud O.	RDY	Require Air Force briefing on the delivery of emergency services by firefighters	EB 1
892	0	Gallagher, Mike	RDY	Expansion of SECNAV Authority to lease and license US Navy museum facilities to generate revenue to support museum administration and operations	EB 1
897	1	Bacon, Don	RDY	Directs the Secretary of Defense to establish a DoD Executive Agent for continuing language education.	EB 1
917	0	Slotkin, Elissa	RDY	Preventing gender disparity in out-of-pocket uniform costs.	EB 1
930	1	Luria, Elaine G.	RDY	For FY 2022, \$175,000,000 shall be made available to the Commandant to improve facilities at the Coast Guard Yard in Baltimore, MD, including improvements to dock, dry dock, capital equipment improvements, or dredging necessary to facilitate access to such Yard.	EB 1

LOG ID	REV	MEMBER	MARKUP LOC	DESCRIPTION	MARKUP ACT
943	1	Speier, Jackie	RDY	Establish a 2-year deadline for completing PFAS testing	EB 1
959	0	Gallagher, Mike	RDY	Directs the Secretary of the Navy to submit an annual report on ship maintenance.	EB 1
991	1	Garamendi, John	RDY	Requires annual report on number of airlift contracts awarded to foreign airlines; Codifies current DOD policy requiring military personnel and cargo transported by commercial airlines be on chartered aircraft certified for safety by DOD's Commercial Airlift Review Board.	EB 1
992	0	Larsen, Rick	RDY	To direct the Navy and Coast Guard to brief HASC on the findings, goals and needed capabilities for the Interagency Working Group on Southern Resident Killer Whales.	EB 1
997	0	Slotkin, Elissa	RDY	Directs the Secretary of Defense to provide budget information for incinerators and waste-to-energy waste disposal alternatives to burn pits.	EB 1
1018	2	Banks, Jim	RDY	Continuation of waterjet technology systems for removal of underwater explosive munitions.	EB 1
1030	0	Carbajal, Salud O.	RDY	Amending DRL regarding Fire Detection and Monitoring	EB 1
1044	2	Lamborn, Doug	RDY	Report to evaluate the benefits and possible approaches to and logistical considerations of creating a Space Resources (Propellant) National Reserve.	EB 1
1051	0	Speier, Jackie	RDY	Assessment of Army privatized housing initiative	EB 1
1052	0	Larsen, Rick	RDY	Directs a briefing and report on how the DoD plans to use the Air Installations Compatible Use Zones program to support noise insulation and mitigation for covered facilities affected by noise from military flight operations.	EB 1
1068	2	Scott, Austin	RDY	This DRL directs the Secretary of the Air Force to provide the congressional defense committees a list and price of the capital equipment needed at each of the Air Force's three public depots by March 1, 2022.	EB 1
1069	0	Murphy, Stephanie N.	RDY	This bill would designate the current Navy SEAL memorial in Ft. Pierce, FL as the official memorial of the Navy SEALs.	EB 1
1074	1	Morelle, Joseph D.	RDY	Directs the Secretary of Defense to report on future infrastructure requirements to meet future needs.	EB 1

Amendment to H.R. 4350 National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Waltz

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Housing Assessment for Military and Federal Civilian Employees

The Committee is concerned about the access to affordable housing for service-members and Department civilian employees, especially in parts of the country with the highest cost of living. These costs to personnel and their families can amount to a pay cut, thus making such assignments to these areas more challenging and an undue burden. The Committee also notes that there are thousands of underutilized, unused, or abandoned federal real properties spread across the nation. The Committee believes that some of these properties, if transferred to the Department of Defense, could be converted for affordable housing for military personnel and the Federal civilian workforce supporting the Department's mission.

Therefore, the Committee directs the Secretary of Defense to prepare a report to the congressional defense committees, the House Committee on Oversight and Reform, and the Senate Committee on Homeland Security and Governmental Affairs by October 1, 2022 as to the adequacy of military housing on base and affordable housing off base specific to South Florida (including Miami and Key West) and Washington State (including Joint Base Lewis McChord). Specifically, such report shall include the following items: in coordination with the Administrator of the General Service Administration, conduct an inventory of excess and surplus federal real properties at, and within 25 miles of, such military installations and assess the suitability and viability of such properties for the purpose of housing military personnel and Department civilian employees; adequacy of civilian and military family housing within the pay and benefits provided; options to acquire, refurbish, or build on such properties for military personnel and Department civilian employees, to include other Federal employees supporting the Department's mission; and, an overall timeline and plan to remedy deficient or unreasonable housing options.-

Amendment to H.R. 4350 National Defense Authorization Act for Fiscal Year 2022

Offered by Mr. Bacon of Nebraska

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Fuel Visibility and Management

The committee acknowledges the recent efforts of the Department to seek fuel asset visibility solutions to improve current accountability infrastructure. The committee believes that leveraging existing commercial solutions for fuel accountability and remote transaction monitoring can reduce internal development requirements, lower sustainment costs, and increase the speed and accuracy of fuel transaction reporting. The committee notes with interest the Defense Logistics Agency's intent to replace the legacy fuels manager defense accountability system as an opportunity to research, identify, and leverage the best practices of the energy industry to improve the remote monitoring and quality assurance procedures for defense fuel business practices.

The committee encourages the Department and military services to identify existing electronic fuel management systems being employed by the energy and maritime industries for the monitoring of fuel storage, fuel transfer transactions, operational fuel consumption, and CO2 emissions reporting at remote locations on land and at sea. The committee believes that fuel management systems that provide near-real time, secure, accurate and automated monitoring capabilities via a common analytics dashboard, and which reduce the need for manual reporting and opportunity for human error in data entry should be considered for transition to defense application.

Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by March 1, 2022 on progress the military services have made in identifying and evaluating existing technology and industry best practices for remote fuel monitoring and accountability.

AMENDMENT TO H.R. 4350
OFFERED BY MR. NORCROSS OF NEW JERSEY

At the end of title XI, add the following:

1 **SEC. 11___ . TREATMENT OF HOURS WORKED UNDER A**
2 **QUALIFIED TRADE-OF-TIME ARRANGEMENT.**

3 Section 5542 of title 5, United States Code, is
4 amended by adding at the end the following:

5 “(h)(1) Notwithstanding any other provision of this
6 section, any hours worked by a firefighter under a quali-
7 fied trade-of-time arrangement shall be disregarded for
8 purposes of any determination relating to eligibility for,
9 or the amount of, any overtime pay under this section.

10 “(2) For purposes of this subsection—

11 “(A) the term ‘qualified trade-of-time arrange-
12 ment’ means an arrangement under which 2 fire-
13 fighters who are employed by the same agency
14 agree, solely at their option and with the approval
15 of their employing agency, to substitute for one an-
16 other during scheduled work hours in the perform-
17 ance of work in the same capacity; and

18 “(B) the term ‘firefighter’ means a firefighter
19 as defined by section 8331(21) or 8401(14).”



AMENDMENT TO H.R. 4350
OFFERED BY MR. NORCROSS OF NEW JERSEY

At the end of title XI, add the following:

1 **SEC. 11___.** **LIMITING THE NUMBER OF LOCAL WAGE**
2 **AREAS DEFINED WITHIN A PAY LOCALITY.**

3 (a) **LOCAL WAGE AREA LIMITATION.**—Section
4 5343(a) of title 5, United States Code, is amended—

5 (1) in paragraph (1)(B)(i), by striking “(but
6 such” and all that follows through “are employed”;

7 (2) in paragraph (4), by striking “and” after
8 the semicolon;

9 (3) in paragraph (5), by striking the period at
10 the end and inserting “; and”; and

11 (4) by adding at the end of the following:

12 “(6) the Office of Personnel Management may
13 define not more than one local wage area within a
14 pay locality, except that this paragraph shall not
15 apply to the pay locality designated as ‘Rest of
16 United States’.”.

17 (b) **PAY LOCALITY DEFINED.**—Section 5342(a) of
18 title 5, United States Code, is amended—

19 (1) in paragraph (2)(C), by striking “and” at
20 the end;

1 (2) in paragraph (3), by striking the period at
2 the end and inserting “; and”; and

3 (3) by adding at the end the following:

4 “(4) ‘pay locality’ has the meaning given that
5 term under section 5302(5).”.

6 (c) REGULATIONS.—The Director of the Office of
7 Personnel Management shall prescribe any regulations
8 necessary to carry out this section and the amendments
9 made by this section, including regulations to ensure that
10 this section and the amendments made by this section
11 shall not have the effect of reducing any rate of basic pay
12 payable to any individual who is serving as a prevailing
13 rate employee (as defined under section 5342(a)(2) of title
14 5, United States Code).

15 (d) EFFECTIVE DATE.—This section and the amend-
16 ments made by this section shall apply with respect to fis-
17 cal year 2022 and each fiscal year thereafter.



AMENDMENT TO H.R. 4350
OFFERED BY MS. SPEIER OF CALIFORNIA

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

1 **SEC. 3 ____ . MANAGEMENT OF FATIGUE AMONG CREW OF**
2 **NAVAL SURFACE SHIPS AND RELATED IM-**
3 **PROVEMENTS.**

4 (a) REQUIREMENT.—The Secretary of the Navy shall
5 implement each recommendation for executive action set
6 forth in the report of the Government Accountability Of-
7 fice titled “Navy Readiness: Additional Efforts Are Need-
8 ed to Manage Fatigue, Reduce Crewing Shortfalls, and
9 Implement Training” (GAO-21-366).

10 (b) REPORT.—Not later than one year after the date
11 of the enactment of this Act, the Secretary of the Navy
12 shall submit to the congressional defense committees and
13 the Comptroller General a report on the status of actions
14 taken by the Secretary to monitor crew fatigue and ensure
15 equitable fatigue management throughout the naval sur-
16 face ship fleet in accordance with subparagraph (a). Such
17 report shall include the following:

18 (1) An assessment of the extent of crew fatigue
19 throughout the naval surface ship fleet.

1 (2) A description of the metrics used to assess
2 the extent of fatigue pursuant to paragraph (1).

3 (3) An identification of results-oriented goals
4 for effective fatigue management.

5 (4) An identification of timeframes for achiev-
6 ing the goals identified pursuant to paragraph (3).

7 (c) COMPTROLLER GENERAL ASSESSMENT.—Not
8 later than 90 days after the date on which the Comptroller
9 General receives the report under subsection (b), the
10 Comptroller General shall brief the congressional defense
11 committees on the extent to which the actions and goals
12 described in the report meet the requirements of sub-
13 section (a).



AMENDMENT TO H.R. 4350
OFFERED BY MR. LANGEVIN OF RHODE ISLAND

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

1 **SEC. 9 ___. USE OF COMBATANT COMMANDER INITIATIVE**
2 **FUND FOR CERTAIN ENVIRONMENTAL MAT-**
3 **TERS.**

4 (a) **AUTHORIZED ACTIVITIES.**—Subsection (b) of sec-
5 tion 166a of title 10, United States Code, is amended—

6 (1) by redesignating paragraphs (7) through
7 (10) as paragraphs (8) through (11), respectively;
8 and

9 (2) by inserting after paragraph (6) the fol-
10 lowing new paragraph:

11 “(7) Resilience of military installations, ranges,
12 and key supporting civilian infrastructure to extreme
13 weather events and other changing environmental
14 conditions.”.

15 (b) **CONFORMING AMENDMENT.**—Subsection (c)(1)
16 of such section is amended by striking “and sustain-
17 ability” and all that follows and inserting the following:
18 “sustainability, and resilience of the forces assigned to the

2

1 commander requesting the funds or of infrastructure sup-
2 porting such forces;”.



Amendment to H.R. 4350 National Defense Authorization Act for Fiscal Year 2022

Offered by Mr. Bacon of Nebraska

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Privatized On-Base Lodging Programs

The committee has long been supportive of Department of Defense efforts to find appropriate savings in its non-core functions and to apply those resources to critical defense priorities. One such area is in official traveler lodging, or on-base lodging. The committee commends the Army's successful lodging privatization program, and notes with interest the recent Government Accountability Office study on the Department's lodging programs. This study made clear that the Army's lodging program has resulted in upgraded lodging facilities, increased traveler satisfaction, significant costs savings, and a fully self-sustaining lodging program.

The committee believes that the Department of the Navy and Air Force can also benefit from a transition to a similar privatization model, and encourages the sharing of information and best practices among the Army and the other services. Accordingly, the committee directs the Secretary of Defense to provide a report to the congressional defense committees by March 1, 2022 on the status of privatizing the remainder of the Department of Defense official traveler lodging facilities. This report shall include the following:

- 1) Lessons learned from the Army's twelve-year privatization experience, and how these lessons can be applied toward privatization of Navy and Air Force lodging programs,
- 2) A summary of the Department of the Navy and Department of the Air Force views on lodging privatization,
- 3) An assessment of options to transition Navy and Air Force to a lodging privatization model, including recommendations on the size and scope of the initial conveyances, as well as the optimal time frame to move to full privatization,
- 4) An assessment of the efficacy of an expanded DOD-wide lodging privatization portfolio based on the Army model.

Amendment to H.R. 4350 National Defense Authorization Act for Fiscal Year 2022

Offered by Mr. Bacon of Nebraska

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Integrated Project Delivery

The committee is aware of construction projects utilizing an Integrated Project Delivery (IPD) approach that incentivizes collaboration between the owner, architecture/engineering firm, the constructor, subcontractors, and trade partners, where parties seek to jointly share risk, reward, and align interests via a single multi-party agreement. The committee observes that IPD is commonly used in the international market and its use is expanding in North America, with positive indications of delivering projects on time and on budget, while reducing claims and litigation between parties. Accordingly, the committee directs the Secretary of Defense to provide a brief to the House Committee on Armed Services by March 1, 2022 assessing the utility of implementing IPD principles in Department of Defense construction contracts to improve project performance. The brief shall include:

- 1) A review of best practices in the global construction market with an emphasis on large or complex projects;
- 2) A summary IPD's effectiveness in delivering large or complex projects with an identification of construction projects by type where an IPD proved advantageous;
- 3) A summary of legislative and regulatory barriers to IPD implementation with associated mitigation and relief recommendations; and,
- 4) A summary of training and experience requirements for government managers responsible for delivery of complex projects including identification of common and significant training and experience shortfalls.

Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Bergman of Michigan

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

[National All-Domain Warfighting Center]

The committee recognizes the critical need for the National Guard, as an essential component of the Joint Force, to conduct all domain training and exercises in support of the National Defense Strategy (NDS). The committee notes the Joint Staff's development of an all-domain warfighting concept to support the NDS.

The committee notes that in order to support the national defense strategy there is an identified need for training capabilities that can best be achieved within an all-domain training environment that is able to support training and exercises for aircraft, maritime, littoral, amphibious, joint fire support, maneuver coordinated with fires and effects, multi-echelon sustainment, combined arms live fire, decisive major combat operations scenarios, air mobility, cyber operations, space operations, electronic warfare spectrum availability, mission command, remotely piloted aircraft launch and recovery, and four seasons capabilities.

The committee notes that the National All Domain Warfighting Center in Michigan is able to support this all-domain approach and the requirements that come with it, therefore enhancing opportunities for all military services to train within its facilities. Joint All Domain training, exercise integration, and test and experimentation capability currently residing within NADWC supports military units from all service branches, our allies and partners.

The committee further notes that NADWC delivers a joint all-domain, four-season, training environment that is able to support its users in their efforts to achieve or sustain proficiency in conducting joint command and control, air, maritime, and ground maneuver integration, and the synchronization of lethal and non-lethal (cyber) fires in a joint, multinational major combat operations environment that is scalable across unit resources levels. These capabilities are critical to the preparedness of our armed forces for future warfighting demands. NADWC provides a training environment that addresses training gaps and builds readiness at multiple echelons with the scope and scale required to address emerging challenges of near-peer competitors.

The committee directs the Secretary of the Army, in coordination with the Secretary of the Air Force, to submit a report to the House Armed Services Committee by March 31, 2022, on existing joint all-domain warfighting centers that are able to support training and exercises for aircraft, maritime, littoral, amphibious, joint fire support, maneuver coordinated with fires and effects, multi-echelon sustainment, combined arms live fire, decisive major combat operations scenarios, air mobility, cyber operations, space operations, electronic warfare spectrum availability, mission command, remotely piloted aircraft launch and recovery, and four seasons capabilities., including:

- (1)** Current funding levels for the National Guard training centers that meet all these requirements and conduct joint all-domain warfighting training
- (2)** Whether these training centers that meet all these requirements are appropriately resourced to conduct joint all-domain warfighting training
- (3)** Training capabilities and opportunities available at each joint all-domain warfighting center that meet all these requirements
- (4)** Training gaps and limitations present at each joint-all domain warfighting center that meet all these requirements.

AMENDMENT TO H.R. 4350**OFFERED BY MS. HOULAHAN OF PENNSYLVANIA**

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

1 **SEC. 3 ____ . JOINT DEPARTMENT OF DEFENSE AND DEPART-**
2 **MENT OF AGRICULTURE STUDY ON BIO-**
3 **REMEDIATION OF PFAS USING MYCOLOGICAL**
4 **ORGANIC MATTER.**

5 (a) **STUDY.**—The Secretary of Defense, acting
6 through the Assistant Secretary of Defense for Energy,
7 Installations, and Environment, Strategic Environmental
8 Research and Development Program, and the Secretary
9 of Agriculture, acting through the Administrator of the
10 Agricultural Research Service, shall jointly carry out a
11 study on the bioremediation of PFAS using mycological
12 organic matter. Such study shall commence not later than
13 one year after the date of the enactment of this Act.

14 (b) **REPORT.**—Not later than one year after the date
15 of the enactment of this Act, the Secretary of Defense and
16 the Secretary of Agriculture shall jointly submit to the
17 Committee on Agriculture and the Committee on Armed
18 Services of the House or Representatives and the Com-
19 mittee on Agriculture, Forestry, and Nutrition and the

1 Committee on Armed Services of the Senate a report on
2 the study conducted pursuant to subsection (a).

3 (c) PFAS.—In this section, the term “PFAS” means
4 per- and polyfluoroalkyl substances.



**Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022**

Offered by: Mr. Turner

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Use of Fitness Wearables to Measure and Promote Readiness

The Committee recognizes warfighter readiness remains an ongoing challenge. In recent years, the Department of Defense conducted several pilot programs to use wearable health and fitness trackers to measure individual and troop readiness. Accordingly, the committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services by no later than March 1, 2022 on the potential for wearable technology to improve readiness. The report shall at a minimum include the following:

1. An assessment of the potential for a DOD-wide program to use wearable health and fitness trackers to provide the warfighter with key readiness metrics and scores, including activity levels, stress, sleep, heart rate variability, and oxygen saturation;
2. How aggregated data could be used to improve physical readiness programs;
3. What steps would be required to safeguard data and maintain privacy protections; and,
4. What steps would be required to safeguard classified data in locations where wearables are being used.

AMENDMENT TO H.R. 4350
OFFERED BY MR. WALTZ OF FLORIDA

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

1 **SEC. 8 . ASSURING INTEGRITY OF OVERSEAS FUEL SUP-**
2 **PLIES.**

3 (a) IN GENERAL.—Before awarding a contract to an
4 offeror for the supply of fuel for any overseas contingency
5 operation, the Secretary of Defense shall—

6 (1) ensure, to the maximum extent practicable,
7 that no otherwise responsible offeror is disqualified
8 for such award on the basis of an unsupported de-
9 nial of access to a facility or equipment by the host
10 nation government; and

11 (2) require assurances that the offeror will com-
12 ply with the requirements of subsections (b) and (c).

13 (b) REQUIREMENT.—An offeror for the supply of fuel
14 for any overseas contingency operation shall—

15 (1) certify that the provided fuel, in whole or in
16 part, or derivatives of such fuel, is not sourced from
17 a nation or region prohibited from selling petroleum
18 to the United States; and

1 (2) furnish such records as are necessary to
2 verify compliance with such anti-corruption statutes
3 and regulations as the Secretary determines nec-
4 essary, including—

5 (A) the Foreign Corrupt Practices Act (15
6 U.S.C. 78dd-1 et seq.);

7 (B) the regulations contained in parts 120
8 through 130 of title 22, Code of Federal Regu-
9 lations, or successor regulations (commonly
10 known as the “International Traffic in Arms
11 Regulations”);

12 (C) the regulations contained in parts 730
13 through 774 of title 15, Code of Federal Regu-
14 lations, or successor regulations (commonly
15 known as the “Export Administration Regula-
16 tions”); and

17 (D) such regulations as may be promul-
18 gated by the Office of Foreign Assets Control
19 of the Department of the Treasury.

20 (c) REPORT REQUIRED.—Not more than 180 days
21 after the award of a contract for the supply of fuel for
22 any overseas contingency operation that is greater than
23 \$50,000,000, the Inspector General of the Department of
24 Defense shall submit to the congressional defense commit-
25 tees a report including—

1 (1) an assessment of the price per gallon for
2 such fuel, along with an assessment of the price per
3 gallon for fuel paid by other entities in the same na-
4 tion or region of the nation; and

5 (2) an assessment of the ability of the con-
6 tractor awarded such contract to comply with sanc-
7 tions on Iran and monitor for violations of those
8 sanctions.

9 (d) APPLICABILITY.—Subsections (a), (b), and (c) of
10 this section shall apply with respect to contracts entered
11 into on or after the date of the enactment of this Act.

12 (e) AVOIDANCE OF USE OF LOWEST PRICE TECH-
13 NICALLY ACCEPTABLE SOURCE SELECTION CRITERIA
14 FOR FUEL PROCUREMENT AND FUEL-RELATED SERV-
15 ICES.—Section 813(c)(3) of the National Defense Author-
16 ization Act for Fiscal Year 2017 (10 U.S.C. 2305 note)
17 is amended by inserting “, including fuel procurement and
18 fuel-related services,” after “logistics services,”.



AMENDMENT TO H.R. 4350
OFFERED BY MR. BANKS OF INDIANA

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

1 **SEC. 10 ____ . COMPTROLLER GENERAL REPORT ON AGING**
2 **DEPARTMENT OF DEFENSE EQUIPMENT.**

3 Not later than March 1, 2022, the Comptroller Gen-
4 eral of the United States shall submit to the Committees
5 on Armed Services of the Senate and House of Represent-
6 atives a report on legacy platforms within the Department
7 of Defense and the projected relevance and resiliency of
8 such platforms to emerging threats over the next 50 years.

9 Such report shall include—

10 (1) the results of a survey of all services, agen-
11 cies, and entities within the Department of Defense,
12 including hardware, weapons systems, basing, and
13 force structure;

14 (2) an emphasis on agility, technology, and an
15 expanded forward footprint; and

16 (3) recommendations with respect to future
17 force structure and investment.



AMENDMENT TO H.R. 4350
OFFERED BY MRS. LURIA OF VIRGINIA

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

1 **SEC. 28** ____. **LAND CONVEYANCE, NAVAL AIR STATION**
2 **OCEANA, VIRGINIA BEACH, VIRGINIA.**

3 (a) CONVEYANCE AUTHORIZED.—

4 (1) IN GENERAL.—The Secretary of the Navy
5 may convey to the School Board of the City of Vir-
6 ginia Beach, Virginia (in this section referred to as
7 “VBCPS”) all right, title, and interest of the United
8 States in and to a parcel of real property, including
9 any improvements thereon, consisting of approxi-
10 mately 2.77 acres at Naval Air Station Oceana, Vir-
11 ginia Beach, Virginia, located at 121 West Lane
12 (GPIN: 2407-94-0772) for the purpose of permitting
13 VBCPS to use the property for educational pur-
14 poses.

15 (2) CONTINUATION OF EXISTING EASEMENTS,
16 RESTRICTIONS, AND COVENANTS.—The conveyance
17 of the property under paragraph (1) shall be subject
18 to any easement, restriction, or covenant of record

1 applicable to the property and in existence on the
2 date of the enactment of this Act.

3 (b) CONSIDERATION.—

4 (1) CONSIDERATION REQUIRED; AMOUNT.—As
5 consideration for the conveyance under subsection
6 (a), VBCPS shall pay to the Secretary of the Navy
7 an amount that is not less than the fair market
8 value of the property to be conveyed, as determined
9 by the Secretary. The Secretary's determination of
10 fair market value shall be final of the property to be
11 conveyed.

12 (2) FORM OF CONSIDERATION.—The consider-
13 ation required by paragraph (1) may be in the form
14 of a cash payment, in-kind consideration as de-
15 scribed in paragraph (3), or a combination thereof,
16 as acceptable to the Secretary. Cash consideration
17 shall be deposited in the special account in the
18 Treasury established under section 572 of title 40,
19 United States Code, and the entire amount depos-
20 ited shall be available for use in accordance with
21 subsection (b)(5)(ii) of such section.

22 (3) IN-KIND CONSIDERATION.—The Secretary
23 may accept as in-kind consideration under this sub-
24 section the acquisition, construction, provision, im-
25 provement, maintenance, repair, or restoration (in-

1 including environmental restoration), or combination
2 thereof, of any facilities or infrastructure, or the de-
3 livery of services, relating to the needs of Naval Air
4 Station Oceana.

5 (c) PAYMENT OF COSTS OF CONVEYANCE.—

6 (1) PAYMENT REQUIRED.—The Secretary of
7 the Navy shall require VBCPS to cover costs to be
8 incurred by the Secretary, or to reimburse the Sec-
9 retary for costs incurred by the Secretary, to carry
10 out the conveyance under subsection (a), including
11 costs related to environmental and real estate due
12 diligence, and any other administrative costs related
13 to the conveyance. If amounts are collected in ad-
14 vance of the Secretary incurring the actual costs,
15 and the amount collected exceeds the costs actually
16 incurred by the Secretary to carry out the convey-
17 ance, the Secretary shall refund the excess amount
18 to VBCPS.

19 (2) TREATMENT OF AMOUNTS RECEIVED.—
20 Amounts received as reimbursement under para-
21 graph (1) shall be credited to the fund or account
22 that was used to cover those costs incurred by the
23 Secretary in carrying out the conveyance or, if the
24 period of availability for obligations for that appro-
25 priation has expired, to the fund or account cur-

1 rently available to the Secretary for the same pur-
2 pose. Amounts so credited shall be merged with
3 amounts in such fund or account, and shall be avail-
4 able for the same purposes, and subject to the same
5 conditions and limitations, as amounts in such fund
6 or account.

7 (d) LIMITATION ON SOURCE OF FUNDS.—VBCPS
8 may not use Federal funds to cover any portion of the
9 costs required by subsections (b) and (c) to be paid by
10 VBCPS.

11 (e) DESCRIPTION OF PROPERTY.—The exact acreage
12 and legal description of the parcel of real property to be
13 conveyed under subsection (a) shall be determined by a
14 survey satisfactory to the Secretary of the Navy.

15 (f) ADDITIONAL TERMS AND CONDITIONS.—The Sec-
16 retary of the Navy may require such additional terms and
17 conditions in connection with the conveyance under sub-
18 section (a) as the Secretary considers appropriate to pro-
19 tect the interests of the United States.



AMENDMENT TO H.R. 4350
OFFERED BY MR. CROW OF COLORADO

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

1 **SEC. 3 ____ . INCLUSION OF MILITARY INSTALLATION RESIL-**
2 **IENCE IN CERTAIN STRATEGIES OF THE DE-**
3 **PARTMENT OF DEFENSE.**

4 (a) STRATEGIC DECISIONS RELATING TO MILITARY
5 INSTALLATIONS.—The Secretary of each military depart-
6 ment, with respect to any installation under the jurisdic-
7 tion of that Secretary, and the Secretary of Defense, with
8 respect to any installation of the Department of Defense
9 that is not under the jurisdiction of the Secretary of a
10 military department, shall consider the risks associated
11 with military installation resilience when making any stra-
12 tegic decision relating to such installation, including where
13 to locate such installation and where to position equip-
14 ment, infrastructure, and other military assets on such in-
15 stallation.

16 (b) NATIONAL DEFENSE STRATEGY AND NATIONAL
17 MILITARY STRATEGY.—The Secretary of Defense, in co-
18 ordination with the heads of such other Federal agencies
19 as the Secretary determines appropriate, shall incorporate

1 the security implications of military installation resilience
2 into the National Defense Strategy and the National Military
3 Strategy.

4 (c) NATIONAL SECURITY PLANNING DOCUMENTS.—
5 The Secretary of Defense and the Chairman of the Joint
6 Chiefs of Staff shall consider the security implications associated
7 with military installation resilience in developing
8 the Defense Planning Guidance under section 113(g)(2)
9 of title 10, United States Code, the Risk Assessment of
10 the Chairman of the Joint Chiefs of Staff under section
11 153(b)(2) of such title, and other relevant strategy, planning,
12 and programming documents and processes.

13 (d) CAMPAIGN PLANS OF COMBATANT COMMANDS.—
14 The Secretary of Defense shall ensure that the national
15 security implications associated with military installation
16 resilience are integrated into the campaign plans of the
17 combatant commands.

18 (e) REPORT ON SECURITY IMPLICATIONS ASSOCIATED WITH MILITARY
19 INSTALLATION RESILIENCE.—

20 (1) REPORT.—Not later than 90 days after the
21 date of the enactment of this Act, the Secretary of
22 Defense shall submit to the Committees on Armed
23 Services of the Senate and the House of Representatives a report
24 describing how the aspects of military
25 installation resilience have been incorporated into

1 modeling, simulation, war-gaming, and other anal-
2 yses by the Department of Defense.

3 (2) FORM.—The report required by paragraph
4 (1) shall be submitted in unclassified form, but may
5 include a classified annex.

6 (f) ANNUAL REPORT ON READINESS IMPACTS OF
7 MILITARY INSTALLATION RESILIENCE ON MILITARY AS-
8 SETS AND CAPABILITIES.—

9 (1) IN GENERAL.—Not later than one year
10 after the date of the enactment of this Act, and an-
11 nually thereafter, the Secretary of Defense shall sub-
12 mit to the congressional defense committees a report
13 containing information (disaggregated by military
14 department) as follows:

15 (A) A description of the effects on military
16 readiness, and an estimate of the financial costs
17 to the Department of Defense, reasonably at-
18 tributed to adverse impacts to military installa-
19 tion resilience during the year preceding the
20 submission of the report, including loss of or
21 damage to military networks, systems, installa-
22 tions, facilities, and other assets and capabili-
23 ties of the Department; and

24 (B) An assessment of vulnerabilities to
25 military installation resilience.

1 (2) USE OF ASSESSMENT TOOL.—The Secretary
2 shall use the Climate Vulnerability and Risk Assess-
3 ment Tool of the Department (or such successor
4 tool) in preparing each report under paragraph (1).

5 (g) DEFINITIONS.—In this section:

6 (1) The term “military installation resilience”
7 has the meaning given that term in section 101(e)
8 of title 10, United States Code.

9 (2) The term “National Defense Strategy”
10 means the national defense strategy under section
11 113(g)(1) of such title.

12 (3) The term “National Military Strategy”
13 means the national military strategy under section
14 153(b) of such title.

15 **SEC. 3 ___. INCLUSION OF IMPACTS ON MILITARY INSTAL-**
16 **LATION RESILIENCE IN THE NATIONAL DE-**
17 **FENSE STRATEGY AND ASSOCIATED DOCU-**
18 **MENTS.**

19 (a) NATIONAL DEFENSE STRATEGY AND DEFENSE
20 PLANNING GUIDANCE.—Section 113(g) of title 10, United
21 States Code, is amended—

22 (1) in paragraph (1)(B)—

23 (A) in clause (ii), by striking “actors,” and
24 inserting “actors, and the current or projected
25 threats to military installation resilience,” and

1 (B) by inserting after clause (ix), the fol-
2 lowing new clause:

3 “(x) Strategic goals to address or
4 mitigate the current and projected risks to
5 military installation resilience.”.

6 (2) in paragraph (2)(A), in the matter pre-
7 ceding clause (i), by striking “priorities,” and insert-
8 ing “priorities, including priorities relating to the
9 current or projected risks to military installation re-
10 siliance,”.

11 (b) NATIONAL DEFENSE SUSTAINMENT AND LOGIS-
12 TICS REVIEW.—

13 (1) IN GENERAL.—The first section 118a of
14 such title is amended—

15 (A) in subsection (a), by striking “capabili-
16 ties,” and inserting “capabilities, response to
17 risks to military installation resilience,”;

18 (B) by redesignating such section, as
19 amended by subparagraph (A), as section 118b;
20 and

21 (C) by moving such section so as to appear
22 after section 118a.

23 (2) CLERICAL AND CONFORMING AMEND-
24 MENTS.—

1 (A) CLERICAL AMENDMENTS.—The table
2 of sections for chapter 2 of such title is amend-
3 ed—

4 (i) by striking the first item relating
5 to section 118a; and

6 (ii) by inserting after the item relating
7 to section 118a the following new item:

“118b. National Defense Sustainment and Logistics Review.”.

8 (B) CONFORMING AMENDMENT.—Section
9 314(c) of the William M. (Mac) Thornberry Na-
10 tional Defense Authorization Act for Fiscal
11 Year 2021 (Public Law 116–283) is amended
12 by striking “section 118a” and inserting “sec-
13 tion 118b”.

14 (c) CHAIRMAN’S RISK ASSESSMENT.—Section
15 153(b)(2)(B) of title 10, United States Code, is amended
16 by inserting after clause (vi) the following new clause:

17 “(vii) Identify and assess risk resulting
18 from, or likely to result from, current or pro-
19 jected effects on military installation resil-
20 ience.”.



Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Seth Moulton of Massachusetts

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Prioritizing Prototyping Facilities

The committee notes the importance of microelectronics in Great Power Competition. The committee further notes that modernizing the nation's labs is essential to maintaining and furthering our qualitative edge in microelectronics research and development. The committee is concerned that many of these facilities are in worsening condition. One of these labs, the Massachusetts Institute of Technology (MIT) Lincoln Labs, has developed a master plan for modernization. The committee strongly supported the Air Force's Fiscal Year 2016 budget request that included funding for the West Lab project and is pleased to see the first phase of that project, the Compound Semi-Conductor Laboratory and Microelectronics Integration Facility, is proceeding relatively on schedule. The committee is aware that there is a second phase of the West Lab project, the Engineering Prototyping Facility (EPF) that is designed to continue the modernization of MIT Lincoln Labs. Modern facilities of this kind are vital to driving innovation across the services, and secondarily support the recruitment and retention of the most talented STEM graduates in support of the national defense mission.

Accordingly, the committee directs the Secretary of the Air Force to provide the House Committee on Armed Services a briefing by no later than February 1, 2022, on its current plans for lab modernization to support innovation and prototyping across the nation's lab enterprises, including its plans for MIT Lincoln Labs.

AMENDMENT TO H.R. 4350
OFFERED BY MR. BROWN OF MARYLAND

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

1 **SEC. 3 ____ . PILOT PROGRAM FOR TACTICAL VEHICLE SAFE-**
2 **TY DATA COLLECTION.**

3 (a) IN GENERAL.—Not later than one year after the
4 date of the enactment of this Act, the Secretary of the
5 Army and the Secretary of the Navy shall jointly carry
6 out a pilot program to evaluate the feasibility of using
7 data recorders to monitor, assess, and improve the readi-
8 ness and safety of the operation of military tactical vehi-
9 cles.

10 (b) PURPOSES.—The purposes of the pilot program
11 are—

12 (1) to allow for the automated identification of
13 hazards and potential hazards on and off military
14 installations;

15 (2) to mitigate and increase awareness of haz-
16 ards and potential hazards on and off military in-
17 stallations;

18 (3) to identify near-miss accidents;

1 (4) to create a standardized record source for
2 accident investigations;

3 (5) to assess individual driver proficiency, risk,
4 and readiness;

5 (6) to increase consistency in the implementa-
6 tion of military installation and unit-level range safe-
7 ty programs across military installations and units;

8 (7) to evaluate the feasibility of incorporating
9 metrics generated from data recorders into the safe-
10 ty reporting systems and to the Defense Readiness
11 Reporting System as a measure of assessing safety
12 risks, mitigations, and readiness;

13 (8) to determine the costs and benefits of retro-
14 fitting data recorders on legacy platforms and in-
15 cluding data recorders as a requirement in acquisi-
16 tion of military tactical vehicles; and

17 (9) any other matters as determined by the
18 Secretary concerned.

19 (c) REQUIREMENTS.—In carrying out the pilot pro-
20 gram, the Secretaries shall—

21 (1) assess the feasibility of using commercial
22 technology, such as smartphones or technologies
23 used by insurance companies, as a data recorder;

24 (2) test and evaluate a minimum of two data
25 recorders that meet the pilot program requirements;

1 (3) select a data recorder capable of collecting
2 and exporting the telemetry data, event data, and
3 driver identification during operation and accidents;

4 (4) install and maintain a data recorder on a
5 sufficient number of each of the covered military
6 tactical vehicles under subsection (f) at selected in-
7 stallations for statistically significant results;

8 (5) establish and maintain a database that con-
9 tains telemetry data, driver data, and event data
10 captured by the data recorder;

11 (6) regularly generate for each installation
12 under the pilot program a dataset that is viewable
13 in widely available mapping software of hazards and
14 potential hazards based on telemetry data and event
15 data captured by the data recorders;

16 (7) generate actionable data sets and statistics
17 on individual, vehicle, and military installation;

18 (8) require commanders at the covered military
19 installations to incorporate the actionable data sets
20 and statistics into the installation range safety pro-
21 gram;

22 (9) require unit commanders at the covered
23 military installations to incorporate the actionable
24 data sets and statistics into unit driver safety pro-
25 gram;

1 (10) evaluate the feasibility of integrating data
2 sets and statistics to improve driver certification and
3 licensing based on data recorded and generated by
4 the data recorders;

5 (11) use open architecture to the maximum ex-
6 tent practicable; and

7 (12) any other activities determined by the Sec-
8 retary as necessary to meet the purposes under sub-
9 section (b).

10 (d) IMPLEMENTATION PLAN.—Not later than 180
11 days after the date of the enactment of this Act, the Secre-
12 taries shall develop a plan for implementing the pilot pro-
13 gram required under this section.

14 (e) LOCATIONS.—Each Secretary concerned shall
15 carry out the pilot program at not fewer than one military
16 installation in the United States that meets the following
17 conditions:

18 (1) Contains the necessary force structure,
19 equipment, and maneuver training ranges to collect
20 driver and military tactical vehicle data during train-
21 ing and routine operation.

22 (2) Represents at a minimum one of the five
23 training ranges identified in the study by the Comp-
24 troller General of the United States titled “Army
25 and Marine Corps Should Take Additional Actions

1 to Mitigate and Prevent Training Accidents” that
2 did not track unit location during the training
3 events.

4 (f) COVERED MILITARY TACTICAL VEHICLES.—The
5 pilot program shall cover the following military tactical ve-
6 hicles:

7 (1) Army Strykers.

8 (2) Marine Corps Light Armored Vehicles.

9 (3) Army Medium Tactical Vehicles.

10 (4) Marine Corps Medium Tactical Vehicle Re-
11 placements.

12 (g) METRICS.—The Secretaries shall develop metrics
13 to evaluate the pilot program’s effectiveness in monitoring,
14 assessing, and improving vehicle safety, driver readiness,
15 and mitigation of risk.

16 (h) REPORTS.—

17 (1) INITIAL.—Not later than 180 days after the
18 date of the enactment of this Act under this section,
19 the Secretaries shall jointly submit to the congres-
20 sional defense committees a report on the pilot pro-
21 gram, addressing the plan for implementing the re-
22 quirements in subsection (c), including the estab-
23 lished metrics under subsection (g).

24 (2) INTERIM.—Not later than three years after
25 the commencement of the pilot program, the Secre-

1 taries shall jointly submit to the congressional de-
2 fense committees a report on the status of the pilot
3 program, including the preliminary results in car-
4 rying out the pilot program, the metrics generated
5 during the pilot program, disaggregated by military
6 tactical vehicle, location, and service, and the imple-
7 mentation plan under subsection (d).

8 (3) FINAL.—Not later than 90 days after the
9 termination of the pilot program, the Secretaries
10 shall jointly submit to the congressional defense
11 committees a report on the results of the program.
12 The report shall—

13 (A) assess the pilot program’s effectiveness
14 in meeting the purposes under subsection (b);

15 (B) include the metrics generated during
16 the pilot program, disaggregated by military
17 tactical vehicle, location, and service;

18 (C) include the views of range personnel,
19 unit commanders, and members of the Armed
20 Forces involved in the pilot program on the
21 level of effectiveness of the technology selected;

22 (D) provide a cost estimate for equipping
23 legacy military tactical vehicles with data re-
24 corders;

1 (E) determine the instances in which data
2 recorders should be a requirement in the acqui-
3 sition of military tactical vehicles;

4 (F) recommend whether the pilot program
5 should be expanded or made into a program of
6 record; and

7 (G) recommend any statutory, regulatory,
8 or policy changes required to support the pur-
9 poses under subsection (b).

10 (i) TERMINATION.—The authority to carry out the
11 pilot program under subsection (a) shall terminate five
12 years after the date of the enactment of this Act.

13 (j) DEFINITIONS.—In this section:

14 (1) The term “accident” means a collision, roll-
15 over, or other mishap involving a motor vehicle.

16 (2) The term “data recorder” means tech-
17 nologies installed in a motor vehicle to record driver
18 identification, telemetry data, and event data related
19 to the operation of such motor vehicle.

20 (3) The term “driver identification” means data
21 enabling the unique identification of the driver oper-
22 ating the motor vehicle.

23 (4) The term “event data” includes data related
24 to—

1 (A) the start and conclusion of each vehicle
2 operation;

3 (B) a vehicle accident;

4 (C) a vehicle acceleration, velocity, or loca-
5 tion with an increased potential for an accident;

6 or

7 (D) a vehicle orientation with an increased
8 potential for an accident.

9 (5) The term “Secretary concerned” means—

10 (A) the Secretary of the Army with respect
11 to matters concerning the Army; and

12 (B) the Secretary of the Navy with respect
13 to matters concerning the Navy and Marine
14 Corps.

15 (6) The term “telemetry data” includes—

16 (A) time;

17 (B) vehicle distance traveled;

18 (C) vehicle acceleration and velocity;

19 (D) vehicle orientation, including roll,
20 pitch, and yaw; and

21 (E) vehicle location in a geographic coordi-
22 nate system, including elevation.



AMENDMENT TO H.R. 4350
OFFERED BY MR. CROW OF COLORADO

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

1 **SEC. 3___. MAINTENANCE OF CURRENT ANALYTICAL**
2 **TOOLS FOR EVALUATION OF ENERGY RESIL-**
3 **IENCE MEASURES.**

4 (a) IN GENERAL.—Section 2911 of title 10, United
5 States Code, is amended by adding at the end the fol-
6 lowing new subsection:

7 “(i) ANALYTICAL TOOLS FOR EVALUATION OF EN-
8 ERGY RESILIENCE MEASURES.—(1) The Secretary of De-
9 fense shall develop and implement a process to ensure that
10 the Department of Defense, in the evaluation of energy
11 resilience measures on military installations, uses analyt-
12 ical tools that are accurate and effective in projecting the
13 costs and performance of such measures.

14 “(2) Analytical tools specified in paragraph (1) shall
15 be—

16 “(A) designed to—

17 “(i) provide an accurate projection of the
18 costs and performance of the energy resilience
19 measure being analyzed;

1 “(ii) be used without specialized training;

2 and

3 “(iii) produce resulting data that is under-

4 standable and usable by the typical source se-

5 lection official;

6 “(B) consistent with standards and analytical

7 tools commonly applied by the Department of En-

8 ergy and by commercial industry;

9 “(C) adaptable to accommodate a rapidly

10 changing technological environment;

11 “(D) peer-reviewed for quality and precision

12 and measured against the highest level of develop-

13 ment for such tools; and

14 “(E) periodically reviewed and updated, but not

15 less frequently than once every three years.”.

16 (b) REPORT.—Not later than September 30, 2022,

17 the Secretary of Defense shall submit to the Committees

18 on Armed Services of the House of Representatives and

19 the Senate a report on the implementation of the require-

20 ments under section 2911(i) of title 10, United States

21 Code, as added by subsection (a).



Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Mrs. Houlahan

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

DoD Housing Compliance, Disclosure, and Evaluation of Housing Facilities

The committee remains concerned about the issues facing servicemembers and military families in DoD Housing facilities. The committee believes that all providers of privatized military housing should comply with all applicable housing codes and laws and disclose issues with housing units to each new tenant as required by the Tenants Bill of Rights. Further, the committee is concerned about potential disparities in quality between housing available to enlisted servicemembers and officers. Therefore, the committee directs the Assistant Secretary of Defense for Energy, Installations, and Environment to provide a briefing to the House Committee on Armed Services no later than March 1, 2022 regarding:

- An evaluation of whether privatized military housing organizations are appropriately complying with local and state housing and disclosure polices, as required by the Tenants Bill of Rights;
- An evaluation of the conditions of housing available to enlisted servicemembers and officers and any disparities between the two;
- An analysis of any trends or discrepancies between the maintenance request and repair response times between officers and enlisted servicemembers.

AMENDMENT TO H.R. 4350
OFFERED BY MR. DESJARLAIS OF TENNESSEE

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

1 **SEC. 28 ____ . PILOT PROGRAM ON ESTABLISHMENT OF AC-**
2 **COUNT FOR REIMBURSEMENT FOR USE OF**
3 **TESTING FACILITIES AT INSTALLATIONS OF**
4 **THE DEPARTMENT OF THE AIR FORCE.**

5 (a) IN GENERAL.—Not later than 180 days after the
6 date of the enactment of this Act, the Secretary of the
7 Air Force shall establish a pilot program to authorize in-
8 stallations of the Department of the Air Force to establish
9 a reimbursable account for the purpose of being reim-
10 bursed for the use of testing facilities on such installation.

11 (b) INSTALLATIONS SELECTED.—The Secretary of
12 the Air Force shall select not more than two installations
13 of the Department of the Air Force to participate in the
14 pilot program under subsection (a) from among any such
15 installations that are part of the Air Force Flight Test
16 Center construct and are currently funded for Facility,
17 Sustainment, Restoration, and Modernization (FSRM)
18 through the Research, Development, Test, and Evaluation
19 account of the Department of the Air Force.

1 (c) OVERSIGHT OF FUNDS.—For each installation se-
2 lected for the pilot program under subsection (a), the com-
3 mander of such installation shall have direct oversight over
4 50 percent of the funds allocated to the installation for
5 Facility, Sustainment, Restoration, and Modernization
6 and the Commander of the Air Force Civil Engineer Cen-
7 ter shall have direct oversight over the remaining 50 per-
8 cent of such funds.

9 (d) BRIEFING AND REPORT.—

10 (1) BRIEFING.—Not later than 30 days after
11 establishing the pilot program under subsection (a),
12 the Secretary of the Air Force shall brief the con-
13 gressional defense committees on the pilot program.

14 (2) ANNUAL REPORT.—Not later than one year
15 after establishing the pilot program under subsection
16 (a), and annually thereafter, the Secretary of the Air
17 Force shall submit to the congressional defense com-
18 mittees a report on the pilot program.

19 (e) TERMINATION.—The pilot program under sub-
20 section (a) shall terminate on December 1, 2026.



Amendment to H.R. 4350 National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Carbajal

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Review of Mitigation Options for Potential Wind Turbine Interference on Radars

The committee is aware of Department of Defense concerns, including coming from the North American Aerospace Defense Command (NORAD), regarding compatibility between wind turbines and radars if energy projects are not properly sited. The committee also understands there are some mitigations available today, both on the wind farm side and the radar side, to address wind turbine and radar issues, and others under consideration but not yet fully developed or validated.

For example, the committee is aware and has previously supported development of gap-filler, or infill, radars that are delivering promising results mitigating the impact of wind turbine interference on the Department's radar infrastructure. The impact of wind turbine interference is most significant at the moment within the United States Northern Command/North American Aerospace Defense Command (USNORTHCOM/NORAD) air surveillance command and control system (C2). Therefore, the committee encourages the Department of Defense to move more rapidly to test the integration of infill radars into the existing C2 architecture.

The committee is also aware of potential opportunities to upgrade ASR-11/DASR sites utilized by NORAD, including through adapting the CARSR 270 software modification for use in ASR-11/DASRs, concurrent beam processing, and MIT Lincoln Lab's turbine adaptive nulling concept. The committee encourages the Department to move rapidly to develop, validate and deploy these mitigations as necessary.

The committee directs the Under Secretary of Defense for Acquisition and Sustainment, in coordination with the Commander of North American Aerospace Defense Command, to provide a briefing to the Committees on Armed Services of the Senate and the House of Representatives by February 1, 2022 on a strategy for integrating in-fill radars into the Battle Command System – Fixed (BCS-F) command and control architecture and other potential alternative mitigations. The briefing should also include the strategy for upgrading ASR-11/DASR sites. At a minimum, the briefing should include the following elements:

- (1) Impact of wind turbine radar interference on the homeland air sovereignty mission and how it is assessed;
- (2) Limitations and challenges associated with infill radar integration into the BCS-F architecture;

- (3) Strategy, milestone events, and timeline for integration of infill radars into BCS-F;
- (4) Status of development, testing and/or deployment of upgrades to the ASR-11/DASR sites;
- (5) Any additional migration options the Department is actively investigating to address potential wind turbine/radar conflicts and the remaining steps and timeline to validate and deploy such mitigations if they are successfully tested;
- (6) Mitigation options the Department is not considering but could with additional resources;
- (7) Mitigation options the Department has considered but rejected, if any, along with an explanation of why the option(s) is not considered viable; and,
- (8) An assessment of the resources necessary to develop, test, validate and deploy the mitigation options described above, including opportunities for industry financing under 10 USC 183a.

Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Carbajal

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Air Force briefing on delivery of emergency services by firefighters

The committee directs the Secretary of the Air Force to provide a briefing to the House Committee on Armed Services by February 1, 2022, outlining efficiencies that will be gained from the transfer of Emergency Medical Service (EMS) delivery to firefighters. The briefing will include the following elements:

- (1) an analysis of cost savings to the Air Force from moving EMS delivery to Fire and Emergency Services (FES).
- (2) an analysis of manpower savings potential in the transition to FES.
- (3) an assessment of cost required to train firefighters to appropriate certification levels.
- (4) an assessment of physical space required to move ambulances to fire stations.
- (5) an assessment of required equipment to support the transition.

AMENDMENT TO H.R. 4350
OFFERED BY MR. GALLAGHER OF WISCONSIN

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

1 **SEC. 28** ____ . **EXPANSION OF SECRETARY OF THE NAVY AU-**
2 **THORITY TO LEASE AND LICENSE UNITED**
3 **STATES NAVY MUSEUM FACILITIES TO GEN-**
4 **ERATE REVENUE TO SUPPORT MUSEUM AD-**
5 **MINISTRATION AND OPERATIONS.**

6 (a) INCLUSION OF ADDITIONAL UNITED STATES
7 NAVY MUSEUMS.—Section 2852 of the Military Construc-
8 tion Authorization Act for Fiscal Year 2006 (division B
9 of Public Law 109–163; 119 Stat. 3530) is amended—
10 (1) in subsection (a)—
11 (A) by striking the text preceding para-
12 graph (1) and inserting “The Secretary of the
13 Navy may lease or license any portion of the fa-
14 cilities of a United States Navy museum to a
15 foundation established to support that museum
16 for the purpose of permitting the foundation to
17 carry out the following activities:”; and

1 (B) in paragraphs (1) and (2), by striking
2 “the United States Navy Museum” and insert-
3 ing “that United States Navy museum”;

4 (2) in subsection (b), by striking “the United
5 States Navy Museum” and inserting “the United
6 States Navy museum of which the facility is a part”;

7 (3) in subsection (c), by striking “the Naval
8 Historical Foundation” and inserting “a foundation
9 described in subsection (a)”;

10 (4) in subsection (d)—

11 (A) by striking “the United States Navy
12 Museum” and inserting “the applicable United
13 States Navy museum”; and

14 (B) by striking “the Museum” and insert-
15 ing “that museum”.

16 (b) UNITED STATES NAVY MUSEUM DEFINED.—
17 Section 2852 of the Military Construction Authorization
18 Act for Fiscal Year 2006 (division B of Public Law 109–
19 163; 119 Stat. 3530) is amended by adding at the end
20 the following new subsection:

21 “(f) UNITED STATES NAVY MUSEUM.—In this sec-
22 tion, the term ‘United States Navy museum’ means a mu-
23 seum under the jurisdiction of the Secretary of Defense
24 and operated through the Naval History and Heritage
25 Command.”.

1 (c) CONFORMING CLERICAL AMENDMENT.—The
2 heading of section 2852 of the Military Construction Au-
3 thorization Act for Fiscal Year 2006 (division B of Public
4 Law 109–163; 119 Stat. 3530) is amended by striking
5 “**AT WASHINGTON, NAVY YARD, DISTRICT OF CO-**
6 **LUMBIA**”.



AMENDMENT TO H.R. 4350
OFFERED BY MR. BACON OF NEBRASKA

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

1 **SEC. 5 ____ . DEFENSE LANGUAGE CONTINUING EDUCATION**
2 **PROGRAM.**

3 (a) IN GENERAL.—Not later than 120 days after the
4 date of the enactment of this Act, the Under Secretary
5 of Defense for Personnel and Readiness shall coordinate
6 with the Director of the Defense Intelligence Agency to
7 designate an executive agent for commercially available
8 advanced foreign language training to meet operational
9 readiness requirements of the Department of Defense.

10 (b) ELEMENTS.—The executive agent designated in
11 subsection (a) shall be responsible for the following:

12 (1) Developing policies, procedures, and cur-
13 ricula to allow for continuing language training
14 when linguists transition to operational environ-
15 ments from education or training environments,
16 such as the Defense Language Institute, the Defense
17 Language and National Security Education Office,
18 or service-based training.

1 (2) Identifying the resourcing requirements nec-
2 essary for each armed force to have access to the
3 following foreign language training elements:

4 (A) A foreign language and current culture
5 training and maintenance virtual immersion
6 program covering strategic languages (as des-
7 ignated by the Federal Government), with a
8 range of multimedia materials including—

9 (i) current and authentic copyrighted
10 multimedia content (video, audio, print,
11 etc.), in multiple genres, that have been
12 cleared for legal use;

13 (ii) foreign-originated newscasts and
14 interviews with foreign speakers; and

15 (iii) any other content determined by
16 the executive agent to be necessary for per-
17 sonnel to acquire proper vocabulary, phra-
18 seology, and enhanced understanding of
19 the nuances associated with foreign cul-
20 tures.

21 (B) Anytime accessibility, both on-line and
22 via mobile device.

23 (C) Training programs with success proven
24 by previous partnerships with academic institu-

1 tions in the United States or other departments
2 and agencies of the Federal Government.

3 (c) REIMBURSEMENT AUTHORITY.—Not later than
4 180 days after the date of the enactment of this Act, the
5 executive agent, in coordination with the chief of each cov-
6 ered Armed Force, shall establish a procedure through
7 which the Armed Force shall reimburse any organization
8 of the Department of Defense that provides instruction
9 under this section to members of that Armed Force for
10 the costs of such instruction.

11 (d) COVERED ARMED FORCE DEFINED.—In this sec-
12 tion, the term “covered Armed Force” means the Army,
13 Navy, Air Force, Marine Corps, and Space Force.



Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Ms. Slotkin of Michigan

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Addressing Out-of-Pocket Cost Disparities for Military Uniform

The committee directs the Secretary of Defense, in consultation with the Service Secretaries, to submit a report to the House Committee on Armed Services not later than March 1, 2022 on the plan to address the recommendations in the U.S. Government Accountability Office’s report entitled “Military Service Uniforms: DOD Could Better Identify and Address Out-of-Pocket Cost Inequities” (GAO–21–120).

In responding to the recommendations, the report shall include a summary of actions that have been or will be taken to implement the recommendation, and a schedule, with specific milestones, for completing implementation of the recommendation.

The report shall also include the following:

- Define standardized thresholds at which cost differences in allowances or from planned uniform changes (across the Services or by gender within a Service) are considered significant and warrant adjustments, including analysis completed to define those (per the official DoD response to GAO-21-120).
- Demonstrate how a service’s directed uniform changes are calculated into the enlisted uniform allowance.
- Identify causes for like-uniform cost disparities between males and females, and actions the Department can take to eliminate that disparity.

AMENDMENT TO H.R. 4350
OFFERED BY MRS. LURIA OF VIRGINIA

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

1 **SEC. ____ . COAST GUARD YARD IMPROVEMENT.**

2 Of the amounts authorized to be appropriated under
3 section 4902(2)(A)(ii) of title 14, United States Code, for
4 fiscal year 2022, \$175,000,000 shall be made available to
5 the Commandant to improve facilities at the Coast Guard
6 Yard in Baltimore, Maryland, including improvements to
7 dock, dry dock, capital equipment improvements, or dredg-
8 ing necessary to facilitate access to such Yard.



AMENDMENT TO H.R. 4350
OFFERED BY MS. SPEIER OF CALIFORNIA

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

1 SEC. 3 ____ . PFAS TESTING REQUIREMENTS.

2 Not later than two years after the date of the enact-
3 ment of this Act, the Secretary of Defense shall complete
4 a preliminary assessment and site inspection for PFAS,
5 including testing for PFAS, at all military installations,
6 formerly used defense sites, and State-owned facilities of
7 the National Guard in the United States that have been
8 identified by the Secretary as of the date of the enactment
9 of the Act.



AMENDMENT TO H.R. 4350
OFFERED BY MR. GALLAGHER OF WISCONSIN

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

1 **SEC. 10 __ . ANNUAL REPORT ON SHIP MAINTENANCE.**

2 (a) IN GENERAL.—Chapter 863 of title 10, United
3 States Code, is amended by adding at the end the fol-
4 lowing new section:

5 **“§ 8694. Annual report on ship maintenance**

6 “(a) REPORT REQUIRED.—Not later than October 15
7 of each year, the Secretary of the Navy shall submit to
8 the Committees on Armed Services of the Senate and
9 House of Representatives a report setting forth each of
10 the following:

11 “(1) A description of all ship maintenance
12 planned for the fiscal year during which the report
13 is submitted, by hull.

14 “(2) The estimated cost of the maintenance de-
15 scribed in paragraph (1).

16 “(3) A summary of all ship maintenance con-
17 ducted by the Secretary during the previous fiscal
18 year.

1 “(4) A detailed description of any ship mainte-
2 nance that was deferred during the previous fiscal
3 year, including specific reasons for the delay or can-
4 cellation of any availability.

5 “(5) A detailed description of the effect of each
6 of the planned ship maintenance actions that were
7 delayed or cancelled during the previous fiscal year,
8 including—

9 “(A) a summary of the effects on the costs
10 and schedule for each delay or cancellation; and

11 “(B) the accrued operational and fiscal
12 cost of all the deferments over the fiscal year.

13 “(b) FORM OF REPORT.— Each report submitted
14 under subsection (a) shall submitted in unclassified form
15 and made publicly available on an appropriate internet
16 website in a searchable format, but may contain a classi-
17 fied annex.”.

18 (b) CLERICAL AMENDMENT.—The table of sections
19 at the beginning of such chapter is amended by adding
20 at the end the following new section:

“8694. Annual report on ship maintenance.”.



AMENDMENT TO H.R. 4350
OFFERED BY MR. GARAMENDI OF CALIFORNIA

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

1 **SEC. 10 ____ . IMPROVEMENT OF TRANSPARENCY AND CON-**
2 **GRESSIONAL OVERSIGHT OF CIVIL RESERVE**
3 **AIR FLEET.**

4 (a) DEFINITIONS.—

5 (1) SECRETARY.—Paragraph (10) of section
6 9511 of title 10, United States Code, is amended to
7 read as follows:

8 “(4) The term ‘Secretary’ means the Secretary
9 of Defense.”.

10 (2) CONFORMING AMENDMENTS.—Chapter 961
11 of title 10, United States Code, as amended by para-
12 graphs (1) and (2), is further amended—

13 (A) in section 9511a by striking “Sec-
14 retary of Defense” each place it appears and in-
15 serting “Secretary”;

16 (B) in section 9512(e), by striking “Sec-
17 retary of Defense” and inserting “Secretary”;
18 and

1 (C) in section 9515, by striking “Secretary
2 of Defense” each place it appears and inserting
3 “Secretary”.

4 (b) ANNUAL REPORT ON CIVIL RESERVE AIR
5 FLEET.—Section 9516 of title 10, United States Code, is
6 amended—

7 (1) in subsection (d), by striking “When the
8 Secretary” and inserting “Subject to subsection (e),
9 when the Secretary”;

10 (2) by redesignating subsection (e) as sub-
11 section (f); and

12 (3) by inserting after subsection (d) the fol-
13 lowing new subsection:

14 “(e) ANNUAL REPORT.—Not later than 60 days after
15 the end of each fiscal year, the Secretary shall submit to
16 the Committees on Armed Services of the Senate and the
17 House of Representatives a report that—

18 “(1) identifies each contract for airlift services
19 awarded in the preceding fiscal year to a provider
20 that does not meet the requirements set forth in
21 subparagraphs (A) and (B) of subsection (a)(1); and

22 “(2) for each such contract—

23 “(A) specifies the dollar value of the
24 award; and

1 “(B) provides a detailed explanation of the
2 reasons for the award.”.

3 (c) TECHNICAL AMENDMENTS.—

4 (1) IN GENERAL.—Chapter 961 of title 10,
5 United States Code, as amended by subsections (a)
6 and (b), is further amended—

7 (A) by redesignating sections 9511a and
8 9512 as sections 9512 and 9513, respectively;

9 (B) in section 9511, by striking “section
10 9512” each place it appears and inserting “sec-
11 tion 9513”; and

12 (C) in section 9514, by redesignating sub-
13 section (g) as subsection (f).

14 (2) CLERICAL AMENDMENT.—The table of sec-
15 tions at the beginning of such chapter is amended
16 by striking the items relating to sections 9511a and
17 9512 and inserting the following new items:

“9512. Civil Reserve Air Fleet contracts: payment rate.

“9513. Contracts for the inclusion or incorporation of defense features.”.

18 (d) CHARTER AIR TRANSPORTATION OF MEMBERS
19 OF THE ARMED FORCES OR CARGO.—

20 (1) IN GENERAL.—Section 2640 of title 10,
21 United States Code, is amended—

22 (A) in the section heading, by inserting
23 “**or cargo**” after “**armed forces**”;

1 (B) in subsection (a)(1), by inserting “or
2 cargo” after “members of the armed forces”;

3 (C) in subsection (b), by inserting “or
4 cargo” after “members of the armed forces”;

5 (D) in subsection (d)(1), by inserting “or
6 cargo” after “members of the armed forces”;

7 (E) in subsection (e)—

8 (i) by inserting “or cargo” after
9 “members of the armed forces”; and

10 (ii) by inserting “or cargo” before the
11 period at the end;

12 (F) in subsection (f), by inserting “or
13 cargo” after “members of the armed forces”;
14 and

15 (G) in subsection (j)(1), by inserting
16 “‘cargo,’” after “‘air transportation,’”.

17 (2) CLERICAL AMENDMENT.—The table of sec-
18 tions at the beginning of chapter 157 of title 10,
19 United States Code, is amended by striking the item
20 relating to section 2640 and inserting the following
21 new item:

“2640. Charter air transportation of members of the armed forces or cargo.”.



Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Rick Larsen

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Briefing on Southern Resident Killer Whale Interagency Working Group

The Committee notes the Southern Resident Killer Whales (SRKW) are an important cultural symbol and environmental linchpin in the Pacific Northwest.

The Committee is encouraged the Navy met with the US Coast Guard (USCG) regarding future interagency cooperation in developing measures to protect SRKWs. The Committee is also encouraged the Navy and USCG are both eager to work together to address SRKW monitoring and have set up an interagency working group to understand and leverage each agency's capabilities to enhance the protection of the SRKW.

The Committee directs the Deputy Assistant Secretary of the Navy for Environment and Mission Readiness, in coordination with the Director of Marine Transportation Systems and the Senior Arctic Policy Advisor at the USCG, to brief members of the House Armed Services Committee, not later than February 28, 2022, on the findings, goals and needed capabilities for the Interagency Working Group to enhance the protection of the SRKW.

AMENDMENT TO H.R. 4350
OFFERED BY MS. SLOTKIN OF MICHIGAN

At the appropriate place in the bill, insert the following:

1 **SEC. ____ . BUDGET INFORMATION FOR ALTERNATIVES TO**
2 **BURN PITS.**

3 The Secretary of Defense shall include in the budget
4 submission of the President under section 1105(a) of title
5 31, United States Code, for fiscal year 2022 a dedicated
6 budget line item for incinerators and waste-to-energy
7 waste disposal alternatives to burn pits.



**Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022**

Offered by: Mr. Jim Banks

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Continuation of waterjet technology systems for removal of underwater explosive munitions

The Committee understands underwater munitions continue to pose environmental and safety threats for the military. The committee is aware that high pressure waterjet technology systems have demonstrated capability to safely demilitarize munitions on land and can demilitarize munitions underwater. Despite the department's efforts, underwater munitions pose a continued threat. To ensure the issue has been sufficiently addressed, the Committee directs the Secretary of the Army to provide a briefing to the Committee on Armed Services by February 1, 2022, about current and planned efforts to mitigate against underwater munitions threats, including efforts to employ waterjet technology systems for the removal of explosive constituents in underwater munitions.

**Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022**

Offered by: Mr. Carbajal

In the portion of the report to accompany H.R. 4350 titled “Fire Detection and Monitoring”, strike and insert the following new text:

“The committee is aware of Department of Defense efforts to assist states in the initial detection and monitoring of wildfires through a pilot program known as FireGuard. In recent years, wildfires have burned millions of acres, causing economic damage and the displacement of thousands of people. The committee is also aware that this pilot program requires Department of Defense to extend it incrementally rather than providing long term authorization, and of the Department of Defense’s efforts to transition the program to the National Interagency Fire Center (NIFC). If the Department executes its transition, the committee is concerned about maintaining the continuity of operations of this critical resource and whether Department-provided resources and support will be made available to the NIFC to ensure a seamless transition. Therefore, the committee directs the Secretary of Defense to provide a briefing to the House Committee on Armed Services by February 15, 2022, that will include at a minimum the following: (1) a history of the FireGuard program, examples of the types of data it provides, and how that data is ultimately used by states and interagency partners; (2) a full review of what resources may or may not be transferred from the FireGuard program to the National Interagency Fire Center to ensure continuity of operations and why; and (3) an assessment of what other resources could be made available to the States to assist in the detection and monitoring of wildfires.”.

Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Lamborn of Colorado

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Space Resources (Propellant) National Reserve

The committee recognizes the great importance of utilizing the resources found in space (space resources) to support the mission of the Space Force and national security space enterprise as well as the viability of civil and commercial space activities. Of particular importance is satellite or rocket propellant. The committee notes that creating a logistics chain for supplying satellite and rocket propellant in space is key to the long-term sustainability of the Space Force and central to one of its core competencies, Space Mobility and Logistics. The committee further notes that creating a strategic propellant reserve in space will act as a catalyst for America's commercial space and resources industries to invest the capital to create the elements of the supply chain. These include developing sources of propellant on the Moon and asteroids, developing the transportation elements to move propellant within cislunar space, and developing the distribution nodes or depots to store the propellant. The committee believes that ready access to propellant for satellites allows "maneuver without regret", the ability to reposition orbital assets as needed for greatest strategic and tactical benefit. Finally, the committee notes that refueling rockets outbound from Earth results in a dramatic lowering of the cost of space transportation to any destination beyond Low Earth Orbit, providing tremendous benefits to military, civil and commercial space activities. Therefore, the committee directs the Secretary of the Air Force, in consultation with academia and private sector subject matter experts, to provide a report to the House Committee on Armed Services by March 31, 2022 that evaluates the national security benefits of creating a Space Resources (Propellant) National Reserve.

Amendment to H.R. 4350

National Defense Authorization Act for Fiscal Year 2022

Offered by: Ms. Speier of California

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Assessment of Army Privatized Housing Initiative

The committee is concerned about reports of maintenance, livability, and safety problems with military family housing constructed and operated under the Military Housing Privatization Initiative (MHPI). The committee notes that the long-term nature of the agreements made pursuant to MHPI, typically for 50 years, provides the military services with limited recourse in the event of poor construction quality or service. Therefore, the initial negotiation, implementation, and oversight of such agreements are especially critical.

Given these concerns, the committee directs the Comptroller General of the United States to assess the Department of the Army's \$1.1 billion initiative to improve privatized housing at six locations, including Fort Hood, Fort Campbell, Fort Knox, Fort Wainwright, Fort Drum, and Army housing on Oahu. The assessment shall include an analysis of:

- (1) the terms of the Army's negotiated agreement with the owner/operator of the privatized housing;
- (2) the status of the effort at each of the six locations, including the status of the renovation of existing homes and the construction of new homes;
- (3) the impact of the \$1.1 billion in private sector financing on the sustainment plans for the MHPI projects covered by each of the six locations;
- (4) the extent to which the Department of the Army has developed and implemented plans to oversee and assess the effectiveness of this housing improvement effort; and
- (5) any other matter that the Comptroller General deems necessary.

The committee further directs the Comptroller General to provide a briefing to the House Committee on Armed Services by March 30, 2022, on preliminary findings and present final results in a format and timeframe agreed to at the briefing.

AMENDMENT TO H.R. 4350
OFFERED BY MR. LARSEN OF WASHINGTON

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

1 **SEC. 3 ____ . REPORT AND BRIEFING ON APPROACH FOR**
2 **CERTAIN PROPERTIES AFFECTED BY NOISE**
3 **FROM MILITARY FLIGHT OPERATIONS.**

4 (a) BRIEFING.—Not later than 180 days after the
5 date of enactment of this Act, the Secretary of Defense
6 shall provide to the congressional defense committees a
7 briefing on the use and applicability of the Air Installa-
8 tions Compatible Use Zones program to support noise
9 mitigation and insulation efforts for fixed wing aircraft,
10 including any such efforts funded under grants from the
11 Office of Local Defense Community Cooperation.

12 (b) MATTERS.—The briefing under subsection (a)
13 shall include a discussion of the following:

14 (1) Changes to current practices regarding Air
15 Installations Compatible Use Zones that are nec-
16 essary to support noise mitigation and insulation ef-
17 forts relating to existing covered facilities.

1 (2) The number of fixed wing aircraft facilities
2 covered by existing Air Installations Compatible Use
3 Zones studies.

4 (3) The proportion of existing Air Installations
5 Compatible Use Zones studies that accurately reflect
6 current and reasonably foreseeable fixed wing avia-
7 tion activity.

8 (4) Expected timelines for each military depart-
9 ment to develop and update all Air Installations
10 Compatible Use Zones studies to reflect current and
11 reasonably foreseeable fixed wing activity.

12 (5) An approximate number of covered facilities
13 anticipated to be within the 65 dB day–night aver-
14 age sound level for installations with existing Air In-
15 stallations Compatible Use Zones studies, including
16 such facilities specifically located in crash zones or
17 accident potential zones.

18 (6) An assessment of the viability of making eli-
19 gibility to receive funding for noise mitigation and
20 insulation efforts contingent on the completion of
21 certain measures to ensure compatibility of civilian
22 land use activity with Air Installations Compatible
23 Use Zones conclusions.

24 (7) Any barriers to the timely review and gen-
25 eration of Air Installations Compatible Use Zones

1 studies, including with respect to staffing and gaps
2 in authorities.

3 (8) The estimated cost to develop and update
4 required Air Installations Compatible Use Zones
5 practices and studies.

6 (9) Future opportunities to consult with local
7 communities affected by noise from military flight
8 operations.

9 (c) REPORT.—Not later than one year after the date
10 of enactment of this Act, the Secretary shall submit to
11 the congressional defense committees a report on the final
12 outcome of the update process with respect to Air Installa-
13 tions Compatible Use Zones program. Such report shall
14 include further details and analysis with respect to each
15 matter specified in subsection (b).

16 (d) DEFINITIONS.—In this section:

17 (1) The term “Air Installations Compatible Use
18 Zones program” has the meaning given such term in
19 Department of Defense Instruction 4165.57.

20 (2) The term “covered facility” means any—

21 (A) private residence;

22 (B) hospital;

23 (C) daycare facility;

24 (D) school; or

4

1 (E) facility the primary purpose of which
2 is to serve senior citizens.



**Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022**

Offered by: Mr. Scott of Georgia

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Air Logistics Complex Capital Equipment Requirements

The committee recognizes the importance of the work performed at the Air Force's three public depots (Air Logistics Complexes) and has concerns about the aging capital equipment at each location.

The committee therefore directs the Secretary of the Air Force to submit a report to the Committees on Armed Services of the Senate and House of Representatives by March 1, 2022, on the capital equipment replacement and/or refurbishment requirements at each of the Air Force Air Logistics Centers. The report should include the name, age, and expected replacement age of equipment; replacement or refurbishment cost; year of obsolescence; replacement plan for obsolescent equipment; and the plan to invest in advanced technology capital equipment.

AMENDMENT TO H.R. 4350
OFFERED BY MRS. MURPHY OF FLORIDA

At the appropriate place in title X of the bill, insert
the following new section:

1 **SEC. 10** ___ **RECOGNITION OF THE MEMORIAL, MEMORIAL**
2 **GARDEN, AND K9 MEMORIAL OF THE NA-**
3 **TIONAL NAVY UDT-SEAL MUSEUM IN FORT**
4 **PIERCE, FLORIDA, AS THE OFFICIAL NA-**
5 **TIONAL MEMORIAL, MEMORIAL GARDEN,**
6 **AND K9 MEMORIAL, RESPECTIVELY, OF NAVY**
7 **SEALS AND THEIR PREDECESSORS.**

8 The Memorial, Memorial Garden, and K9 Memorial
9 of the National Navy UDT-SEAL Museum, located at
10 3300 North Highway A1A, North Hutchinson Island, in
11 Fort Pierce, Florida, are recognized as the official national
12 memorial, memorial garden, and K9 memorial, respec-
13 tively, of Navy SEALs and their predecessors.



Amendment to H.R. 4350
National Defense Authorization Act for Fiscal Year 2022

Offered by: Mr. Morelle of New York

In the appropriate place in the report to accompany H.R. 4350, insert the following new Directive Report Language:

Installations of the Future

The committee notes the Department of Defense's efforts to develop "Installations of the Future" concepts for each of the services. The committee recognizes the need to ensure that these "Installations of the Future" concepts must have certain enabling technologies to ensure that the different applications and capabilities are able to function as envisioned. Further, the committee notes that National Defense Strategy and the Department of Defense 2020 Data Strategy highlights that the Department is a "data-centric organization that uses data at speed and scale for operational advantage and increased efficiency." As such, the committee is aware of the Department of Defense's future infrastructure requirements to meet rapidly expanding bandwidth and speed requirements to meet future needs.

Furthermore, as the Department of Defense continues to refine its "Installations of the Future" concepts, the committee urges the Department to clearly articulate and understand their future infrastructure needs so that a variety of different capabilities can work within the "Installations of the Future." Accordingly, the committee directs the Secretary of Defense to provide a report to the House Committee on Armed Services, not later than May 31, 2022, on the Department's efforts to ensure installations of the future incorporate construction techniques that ensure facilities are able to incorporate technologies of the future. The report should include how the Department of Defense is incorporating future data transmission requirements into technology refreshes and facilities construction to support new weapon systems, technologies, and training. The report should also include an estimate of the costs and savings generated from deployment of fiber-to-the-edge in current and future facilities, as well as a review of Department-wide guidance on adoption of next generation data architecture and recommendations to update the Unified Facilities Criteria and other policies to facilitate the use of new network architectures.