

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment

- Sec. 311. Timeline for Clearinghouse review of applications for energy projects that may have an adverse impact on military operations and readiness.*
- Sec. 312. Authority to accept contributions of funds from applicants for energy projects for mitigation of impacts on military operations and readiness.*
- Sec. 313. Use of proceeds from sale of recyclable materials.*
- Sec. 314. Disposal of recyclable materials.*
- Sec. 315. Department of Defense improvement of previously conveyed utility systems serving military installations.*
- Sec. 316. Modification of Department of Defense environmental restoration authorities to include Federal Government facilities used by National Guard.*
- Sec. 317. Use of operational energy cost savings of Department of Defense.*
- Sec. 318. Sale of electricity from alternate energy and cogeneration production facilities.*
- Sec. 319. Energy resilience programs and activities.*
- Sec. 320. Technical and grammatical corrections and repeal of obsolete provisions relating to energy.*
- Sec. 321. Transfer authority for funding of study and assessment on health implications of per- and polyfluoroalkyl substances contamination in drinking water by Agency for Toxic Substances and Disease Registry.*
- Sec. 322. Replacement of fluorinated aqueous film-forming foam with fluorine-free fire-fighting agent.*
- Sec. 323. Prohibition of uncontrolled release of fluorinated aqueous film-forming foam at military installations.*
- Sec. 324. Prohibition on use of fluorinated aqueous film forming foam for training exercises.*
- Sec. 325. Real-time sound-monitoring at Navy installations where tactical fighter aircraft operate.*
- Sec. 326. Development of extreme weather vulnerability and risk assessment tool.*
- Sec. 327. Removal of barriers that discourage investments to increase military installation resilience.*
- Sec. 328. Budgeting of Department of Defense relating to extreme weather.*
- Sec. 329. Prohibition on Perfluoroalkyl Substances and Polyfluoroalkyl Substances in Meals Ready-to-Eat Food Packaging.*
- Sec. 330. Disposal of materials containing per- and polyfluoroalkyl substances or aqueous film-forming foam.*
- Sec. 331. Agreements to share monitoring data relating to perfluoroalkyl and polyfluoroalkyl substances and other contaminants of concern.*
- Sec. 332. Cooperative agreements with States to address contamination by perfluoroalkyl and polyfluoroalkyl substances.*
- Sec. 333. Plan to phase out use of burn pits.*
- Sec. 334. Information relating to locations of burn pit use.*
- Sec. 335. Data quality review of radium testing conducted at certain locations of the Department of the Navy.*
- Sec. 336. Reimbursement of Environmental Protection Agency for certain costs in connection with the Twin Cities Army Ammunition Plant, Minnesota.*
- Sec. 337. Pilot program for availability of working-capital funds for increased combat capability through energy optimization.*
- Sec. 338. Report on efforts to reduce high energy intensity at military installations.*

Subtitle C—Treatment of Contaminated Water Near Military Installations

- Sec. 341. Short title.*
- Sec. 342. Definitions.*
- Sec. 343. Provision of water uncontaminated with perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) for agricultural purposes.*
- Sec. 344. Acquisition of real property by Air Force.*
- Sec. 345. Remediation plan.*

Subtitle D—Logistics and Sustainment

- Sec. 351. Materiel readiness metrics and objectives.*
- Sec. 352. Clarification of authority regarding use of working-capital funds for unspecified minor military construction projects related to revitalization and recapitalization of defense industrial base facilities.*
- Sec. 353. Modification to limitation on length of overseas forward deployment of naval vessels.*
- Sec. 354. Extension of temporary installation reutilization authority for arsenals, depots, and plants.*
- Sec. 355. F-35 Joint Strike Fighter sustainment.*

- Sec. 356. Report on strategic policy for prepositioned materiel and equipment.
 Sec. 357. Pilot program to train skilled technicians in critical shipbuilding skills.
 Sec. 358. Requirement for military department inter-service depot maintenance.
 Sec. 359. Strategy to improve infrastructure of certain depots of the Department of Defense.

Subtitle E—Reports

- Sec. 361. Readiness reporting.
 Sec. 362. Technical correction to deadline for transition to Defense Readiness Reporting System Strategic.
 Sec. 363. Report on Navy ship depot maintenance budget.
 Sec. 364. Report on Runit Dome.
 Sec. 365. Prohibition on subjective upgrades by commanders of unit ratings in monthly readiness reporting on military units.
 Sec. 366. Requirement to include foreign language proficiency in readiness reporting systems of Department of Defense.

Subtitle F—Other Matters

- Sec. 371. Prevention of encroachment on military training routes and military operations areas.
 Sec. 372. Expansion and enhancement of authorities on transfer and adoption of military animals.
 Sec. 373. Extension of authority for Secretary of Defense to use Department of Defense reimbursement rate for transportation services provided to certain non-Department of Defense entities.
 Sec. 374. Extension of authority of Secretary of Transportation to issue non-premium aviation insurance.
 Sec. 375. Defense personal property program.
 Sec. 376. Public events about Red Hill Bulk Fuel Storage Facility.
 Sec. 377. Sense of Congress regarding Innovative Readiness Training program.
 Sec. 378. Detonation chambers for explosive ordnance disposal.

Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2020 for the use of the Armed Forces and other activities and agencies of the Department of Defense for expenses, not otherwise provided for, for operation and maintenance, as specified in the funding table in section 4301.

Subtitle B—Energy and Environment

SEC. 311. TIMELINE FOR CLEARINGHOUSE REVIEW OF APPLICATIONS FOR ENERGY PROJECTS THAT MAY HAVE AN ADVERSE IMPACT ON MILITARY OPERATIONS AND READINESS.

Section 183a(c)(1) of title 10, United States Code, is amended by striking “60 days” and inserting “75 days”.

SEC. 312. AUTHORITY TO ACCEPT CONTRIBUTIONS OF FUNDS FROM APPLICANTS FOR ENERGY PROJECTS FOR MITIGATION OF IMPACTS ON MILITARY OPERATIONS AND READINESS.

Section 183a(f) of title 10, United States Code, is amended by striking “for a project filed with the Secretary of Transportation pursuant to section 44718 of title 49” and inserting “for an energy project”.

SEC. 313. USE OF PROCEEDS FROM SALE OF RECYCLABLE MATERIALS.

Section 2577(c) of title 10, United States Code, is amended by striking “\$2,000,000” and inserting “\$10,000,000”.

SEC. 314. DISPOSAL OF RECYCLABLE MATERIALS.

Section 2577(a) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(3) In this section, the term ‘recyclable materials’ may include any quality recyclable material provided to the Department by a State or local government entity, if such material is authorized by the Office of the Secretary of Defense and identified in the regulations prescribed under paragraph (1).”.

SEC. 315. DEPARTMENT OF DEFENSE IMPROVEMENT OF PREVIOUSLY CONVEYED UTILITY SYSTEMS SERVING MILITARY INSTALLATIONS.

Section 2688 of title 10, United States Code, is amended—

- (1) by redesignating subsection (k) as subsection (l); and
- (2) by inserting after subsection (j) the following new subsection (k):

“(k) **IMPROVEMENT OF CONVEYED UTILITY SYSTEMS.**—In the case of a utility system that is conveyed under this section and that only provides utility services to a military installation, the Secretary concerned may use amounts authorized to be appropriated for military construction to improve the reliability, resilience, efficiency, physical security, or cybersecurity of the utility system.”.

SEC. 316. MODIFICATION OF DEPARTMENT OF DEFENSE ENVIRONMENTAL RESTORATION AUTHORITIES TO INCLUDE FEDERAL GOVERNMENT FACILITIES USED BY NATIONAL GUARD.

(a) **IN GENERAL.**—Section 2707 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(e) **AUTHORITY FOR NATIONAL GUARD PROJECTS.**—Notwithstanding subsection (a) of this section and section 2701(c)(1) of this title, the Secretary concerned may use funds described in subsection (c) to carry out an environmental restoration project at a facility in response to perfluorooctanoic acid or perfluorooctane sulfonate contamination under this chapter or CERCLA.”.

(b) **DEFINITION OF FACILITY.**—Section 2700(2) of such title is amended—

- (1) by striking “The terms” and inserting “(A) The terms”;
- and

- (2) by adding at the end the following new subparagraph:

“(B) The term ‘facility’ includes real property that is owned by, leased to, or otherwise possessed by the United States at locations at which military activities are conducted under this title or title 32 (including real property owned or leased by the Federal Government that is licensed to and operated by a State for training for the National Guard).”.

(c) **INCLUSION OF POLLUTANTS AND CONTAMINANTS IN ENVIRONMENTAL RESPONSE ACTIONS.**—Section 2701(c) of such title is amended by inserting “or pollutants or contaminants” after “hazardous substances” each place it appears.

(d) **SAVINGS CLAUSE.**—Nothing in this section, or the amendments made by this section, shall affect any requirement or authority under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 et seq.).

SEC. 317. USE OF OPERATIONAL ENERGY COST SAVINGS OF DEPARTMENT OF DEFENSE.

Section 2912 of title 10, United States Code, is amended—

- (1) in subsection (a), by striking “subsection (b)” and inserting “subsection (b) or (c), as the case may be,”;

(2) in subsection (b), in the matter preceding paragraph (1), by striking “The Secretary of Defense” and inserting “Except as provided in subsection (c) with respect to operational energy cost savings, the Secretary of Defense”;

(3) by redesignating subsection (c) as subsection (d); and

(4) by inserting after subsection (b) the following new subsection (c):

“(c) *USE OF OPERATIONAL ENERGY COST SAVINGS.*—The amount that remains available for obligation under subsection (a) that relates to operational energy cost savings realized by the Department shall be used for the implementation of additional operational energy resilience, efficiencies, mission assurance, energy conservation, or energy security within the department, agency, or instrumentality that realized that savings.”.

SEC. 318. SALE OF ELECTRICITY FROM ALTERNATE ENERGY AND CO-GENERATION PRODUCTION FACILITIES.

Section 2916(b)(3)(B) of title 10, United States Code, is amended—

(1) by striking “shall be available” and all that follows and inserting “shall be provided directly to the commander of the military installation in which the geothermal energy resource is located to be used for—”; and

(2) by adding at the end the following new clauses:

“(i) military construction projects described in paragraph (2) that benefit the military installation where the geothermal energy resource is located; or

“(ii) energy or water security projects that—

“(I) benefit the military installation where the geothermal energy resource is located;

“(II) the commander of the military installation determines are necessary; and

“(III) are directly coordinated with local area energy or groundwater governing authorities.”.

SEC. 319. ENERGY RESILIENCE PROGRAMS AND ACTIVITIES.

(a) *MODIFICATION OF ANNUAL ENERGY MANAGEMENT AND RESILIENCE REPORT.*—Section 2925(a) of title 10, United States Code, is amended—

(1) in the subsection heading, by inserting “AND READINESS” after “MISSION ASSURANCE”;

(2) in the matter preceding paragraph (1), by inserting “The Secretary shall ensure that mission operators of critical facilities provide to personnel of military installations any information necessary for the completion of such report.” after “by the Secretary.”;

(3) in paragraph (4), in the matter preceding subparagraph (A), by striking “megawatts” and inserting “electric and thermal loads”; and

(4) in paragraph (5), by striking “megawatts” and inserting “electric and thermal loads”.

(b) *FUNDING FOR ENERGY PROGRAM OFFICES.*—

(1) *IN GENERAL.*—Not later than 180 days after the date of the enactment of this Act, the Secretaries of the military departments shall submit to the congressional defense committees a

report stating whether the program offices specified in paragraph (2) are funded—

(A) at proper levels to ensure that the energy resilience requirements of the Department of Defense are met; and

(B) at levels that are not less than in any previous fiscal year.

(2) PROGRAM OFFICES SPECIFIED.—The program offices specified in this paragraph are the following:

(A) The Power Reliability Enhancement Program of the Army.

(B) The Office of Energy Initiatives of the Army.

(C) The Office of Energy Assurance of the Air Force.

(D) The Resilient Energy Program Office of the Navy.

(3) FUNDING PLAN.—

(A) IN GENERAL.—The Secretaries of the military departments shall include in the report submitted under paragraph (1) a funding plan for the next five fiscal years beginning after the date of the enactment of this Act to ensure that funding levels are, at a minimum, maintained during that period.

(B) ELEMENTS.—The funding plan under subparagraph (A) shall include, for each fiscal year covered by the plan, an identification of the amounts to be used for the accomplishment of energy resilience goals and objectives.

(c) ESTABLISHMENT OF TARGETS FOR WATER USE.—The Secretary of Defense shall, where life-cycle cost-effective, improve water use efficiency and management by the Department of Defense, including storm water management, by—

(1) installing water meters and collecting and using water balance data of buildings and facilities to improve water conservation and management;

(2) reducing industrial, landscaping, and agricultural water consumption in gallons by two percent annually through fiscal year 2030 relative to a baseline of such consumption by the Department in fiscal year 2010; and

(3) installing appropriate sustainable infrastructure features on installations of the Department to help with storm water and wastewater management.

SEC. 320. TECHNICAL AND GRAMMATICAL CORRECTIONS AND REPEAL OF OBSOLETE PROVISIONS RELATING TO ENERGY.

(a) TECHNICAL AND GRAMMATICAL CORRECTIONS.—

(1) TECHNICAL CORRECTIONS.—Title 10, United States Code, is amended—

(A) in section 2913(c), by striking “government” and inserting “government or”; and

(B) in section 2926(d)(1), in the second sentence, by striking “Defense Agencies” and inserting “the Defense Agencies”.

(2) GRAMMATICAL CORRECTIONS.—Such title is further amended—

(A) in section 2922a(d), by striking “resilience are prioritized and included” and inserting “energy resilience are included as critical factors”; and

(B) in section 2925(a)(3), by striking “impacting energy” and all that follows through the period at the end

and inserting “degrading energy resilience at military installations (excluding planned outages for maintenance reasons), whether caused by on- or off-installation disruptions, including the total number of outages and their locations, the duration of each outage, the financial effect of each outage, whether or not the mission was affected, the downtimes (in minutes or hours) the mission can afford based on mission requirements and risk tolerances, the responsible authority managing the utility, and measures taken to mitigate the outage by the responsible authority.”.

(b) **CLARIFICATION OF APPLICABILITY OF CONFLICTING AMENDMENTS MADE BY 2018 DEFENSE AUTHORIZATION ACT.**—Section 2911(e) of such title is amended—

(1) by striking paragraphs (1) and (2) and inserting the following new paragraphs:

“(1) Opportunities to reduce the current rate of consumption of energy, the future demand for energy, and the requirement for the use of energy.

“(2) Opportunities to enhance energy resilience to ensure the Department of Defense has the ability to prepare for and recover from energy disruptions that affect mission assurance on military installations.”; and

(2) by striking the second paragraph (13).

(c) **CONFORMING AND CLERICAL AMENDMENTS.**—

(1) **HEADING AMENDMENT.**—The heading of section 2926 of such title is amended to read as follows:

“§ 2926. Operational energy”.

(2) **CLERICAL AMENDMENT.**—The table of sections at the beginning of chapter 173 of such title is amended by striking the item relating to section 2926 and inserting the following new item:

“2926. Operational energy.”.

SEC. 321. TRANSFER AUTHORITY FOR FUNDING OF STUDY AND ASSESSMENT ON HEALTH IMPLICATIONS OF PER- AND POLYFLUOROALKYL SUBSTANCES CONTAMINATION IN DRINKING WATER BY AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY.

Section 316(a)(2)(B)(ii) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1350), as amended by section 315(a) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232), is amended by striking “2019 and 2020” and inserting “2019, 2020, and 2021”.

SEC. 322. REPLACEMENT OF FLUORINATED AQUEOUS FILM-FORMING FOAM WITH FLUORINE-FREE FIRE-FIGHTING AGENT.

(a) **USE OF FLUORINE-FREE FOAM AT MILITARY INSTALLATIONS.**—

(1) **MILITARY SPECIFICATION.**—Not later than January 31, 2023, the Secretary of the Navy shall publish a military specification for a fluorine-free fire-fighting agent for use at all military installations and ensure that such agent is available for use by not later than October 1, 2023.

(2) **REPORT TO CONGRESS.**—Concurrent with publication of the military specification under paragraph (1), the Secretary of

Defense shall submit to the congressional defense committees a report containing a detailed plan for implementing the transition to a fluorine-free fire-fighting agent by not later than October 1, 2023. The report shall include—

- (A) a detailed description of the progress of the Department of Defense to identify a fluorine-free fire-fighting agent for use as a replacement fire-fighting agent at military installations;*
 - (B) a description of any technology and equipment required to implement the replacement fire-fighting agent;*
 - (C) funding requirements, by fiscal year, to implement the replacement fire-fighting agent, including funding for the procurement of a replacement fire-fighting agent, required equipment, and infrastructure improvements;*
 - (D) a detailed timeline of remaining required actions to implement such replacement.*
- (b) LIMITATION.—No amount authorized to be appropriated or otherwise made available for the Department of Defense may be obligated or expended after October 1, 2023, to procure fire-fighting foam that contains in excess of one part per billion of perfluoroalkyl substances and polyfluoroalkyl substances.*
- (c) PROHIBITION ON USE.—Fluorinated aqueous film-forming foam may not be used at any military installation on or after the earlier of the following dates:*
- (1) October 1, 2024.*
 - (2) The date on which the Secretary determines that compliance with the prohibition under this subsection is possible.*
- (d) EXEMPTION FOR SHIPBOARD USE.—Subsections (b) and (c) shall not apply to firefighting foam for use solely onboard ocean-going vessels.*
- (e) WAIVER.—*

(1) IN GENERAL.—Subject to the limitations under paragraph (2), the Secretary of Defense may waive the prohibition under subsection (c) with respect to the use of fluorinated aqueous film-forming foam, if, by not later than 60 days prior to issuing the waiver, the Secretary—

(A) provides to the congressional defense committees a briefing on the basis for the waiver and the progress to develop and field a fluorine-free fire-fighting agent that meets the military specifications issued pursuant to subsection (a), which includes—

- (i) detailed data on the progress made to identify a replacement fluorine-free fire-fighting agent;*
- (ii) a description of the range of technology and equipment-based solutions analyzed to implement replacement;*
- (iii) a description of the funding, by fiscal year, applied towards research, development, test, and evaluation of replacement firefighting agents and equipment-based solutions;*
- (iv) a description of any completed and projected infrastructure changes;*
- (v) a description of acquisition actions made in support of developing and fielding the fluorine-free fire-fighting agent;*

(vi) an updated timeline for the completion of the transition to use of the fluorine-free fire-fighting agent; and

(vii) a list of the categories of installation infrastructure or specific mobile firefighting equipment sets that require the waiver along with the justification;

(B) submits to the congressional defense committees certification in writing, that—

(i) the waiver is necessary for either installation infrastructure, mobile firefighting equipment, or both;

(ii) the waiver is necessary for the protection of life and safety;

(iii) no agent or equipment solutions are available that meet the military specific issued pursuant to subsection (a);

(iv) the military specification issued pursuant to subsection (a) is still valid and does not require revision; and

(v) includes details of the measures in place to minimize the release of and exposure to fluorinated compounds in fluorinated aqueous film-forming foam; and

(C) provides for public notice of the waiver.

(2) **LIMITATION.**—The following limitations apply to a waiver issued under this subsection:

(A) Such a waiver shall apply for a period that does not exceed one year.

(B) The Secretary may extend such a waiver once for an additional period that does not exceed one year, if the requirements under paragraph (1) are met as of the date of the extension of the waiver.

(C) The authority to grant a waiver under this subsection may not be delegated below the level of the Secretary of Defense.

(f) **DEFINITIONS.**—In this section:

(1) The term “perfluoroalkyl substances” means aliphatic substances for which all of the H atoms attached to C atoms in the nonfluorinated substance from which they are notionally derived have been replaced by F atoms, except those H atoms whose substitution would modify the nature of any functional groups present.

(2) The term “polyfluoroalkyl substances” means aliphatic substances for which all H atoms attached to at least one (but not all) C atoms have been replaced by F atoms, in such a manner that they contain the perfluoroalkyl moiety C_nF_{2n+1} — (for example, $C_8F_{17}CH_2CH_2OH$).

SEC. 323. PROHIBITION OF UNCONTROLLED RELEASE OF FLUORINATED AQUEOUS FILM-FORMING FOAM AT MILITARY INSTALLATIONS.

(a) **PROHIBITION.**—Except as provided by subsection (b), the Secretary of Defense shall prohibit the uncontrolled release of fluorinated aqueous film-forming foam (hereinafter in this section referred to as “AFFF”) at military installations.

(b) **EXCEPTIONS.**—Notwithstanding subsection (a), fluorinated AFFF may be released at military installations as follows:

(1) AFFF may be released for purposes of an emergency response.

(2) A non-emergency release of AFFF may be made for the purposes of testing of equipment or training of personnel, if complete containment, capture, and proper disposal mechanisms are in place to ensure no AFFF is released into the environment.

SEC. 324. PROHIBITION ON USE OF FLUORINATED AQUEOUS FILM FORMING FOAM FOR TRAINING EXERCISES.

The Secretary of Defense shall prohibit the use of fluorinated aqueous film forming foam for training exercises at military installations.

SEC. 325. REAL-TIME SOUND-MONITORING AT NAVY INSTALLATIONS WHERE TACTICAL FIGHTER AIRCRAFT OPERATE.

(a) **MONITORING.**—The Secretary of the Navy shall conduct real-time sound-monitoring at no fewer than two Navy installations and their associated outlying landing fields on the west coast of the United States where Navy combat coded F/A-18, E/A-18G, or F-35 aircraft are based and operate and noise contours have been developed through noise modeling. Sound monitoring under such study shall be conducted—

(1) during times of high, medium, and low activity over the course of a 12-month period; and

(2) along and in the vicinity of flight paths used to approach and depart the selected installations and their outlying landing fields.

(b) **PLAN FOR ADDITIONAL MONITORING.**—Not later than 90 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a plan for real-time sound monitoring described in subsection (a) in the vicinity of training areas predominantly overflown by tactical fighter aircraft from the selected installations and outlying landing fields, including training areas that consist of real property administered by the Federal Government (including Department of Defense, Department of Interior, and Department of Agriculture), State and local governments, and privately owned land with the permission of the owner.

(c) **REPORT REQUIRED.**—Not later than December 1, 2020, the Secretary of the Navy shall submit to the congressional defense committees a report on the monitoring required under subsection (a). Such report shall include—

(1) the results of such monitoring;

(2) a comparison of such monitoring and the noise contours previously developed with the analysis and modeling methods previously used;

(3) an overview of any changes to the analysis and modeling process that have been made or are being considered as a result of the findings of such monitoring; and

(4) any other matters that the Secretary determines appropriate.

(d) **PUBLIC AVAILABILITY OF MONITORING RESULTS.**—The Secretary shall make the results of the monitoring required under subsection (a) publicly available on a website of the Department of Defense.

SEC. 326. DEVELOPMENT OF EXTREME WEATHER VULNERABILITY AND RISK ASSESSMENT TOOL.

(a) *IN GENERAL.*—The Secretary of Defense shall consult with the entities described in subsection (b) to determine whether an existing climate vulnerability and risk assessment tool is available or can be adapted to be used to quantify the risks associated with extreme weather events and the impact of such events on networks, systems, installations, facilities, and other assets to inform mitigation planning and infrastructure development.

(b) *CONSULTATION.*—In determining the availability of an appropriate tool to use or adapt for use under subsection (a), the Secretary shall consult with the Administrator of the Environmental Protection Agency, the Secretary of Energy, the Secretary of the Interior, the Administrator of the National Oceanic and Atmospheric Administration, the Administrator of the Federal Emergency Management Agency, the Commander of the Army Corps of Engineers, the Administrator of the National Aeronautics and Space Administration, a federally funded research and development center, and the heads of such other relevant Federal agencies as the Secretary of Defense determines appropriate.

(c) *BEST AVAILABLE SCIENCE.*—Before choosing a tool for use or adaptation for use under subsection (a), the Secretary shall obtain from a federally funded research and development center with which the Secretary has consulted under subsection (b) a certification in writing that the tool relies on the best publicly available science for the prediction of extreme weather risk and effective mitigation of that risk.

(d) *REPORT.*—Not later than one year after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the implementation of this section. Such report shall include—

(1) in the case that a tool has been chosen under subsection (a) before the date of the submittal of the report, a description of the tool and how such tool will be used by the Department; or

(2) in the case that the Secretary determines that no available tool meets the requirements of the Department as described in subsection (a) or is readily adaptable for use, a plan for the development of such a tool, including the estimated cost and timeframe for development of such a tool.

SEC. 327. REMOVAL OF BARRIERS THAT DISCOURAGE INVESTMENTS TO INCREASE MILITARY INSTALLATION RESILIENCE.

(a) *IN GENERAL.*—The Secretary of Defense shall—

(1) identify and seek to remove barriers that discourage investments to increase military installation resilience;

(2) reform policies and programs that unintentionally increased the vulnerability of systems to related extreme weather events; and

(3) develop, and update at least once every four years, an adaptation plan to assess how climate impacts affected the ability of the Department of Defense to accomplish its mission, and the short-and long- term actions the Department can take to ensure military installation resilience.

(b) *MILITARY INSTALLATION RESILIENCE*.—In this section, the term “military installation resilience” has the meaning given such term in section 101(e)(8) of title 10, United States Code.

SEC. 328. BUDGETING OF DEPARTMENT OF DEFENSE RELATING TO EXTREME WEATHER.

(a) *IN GENERAL*.—The Secretary of Defense shall include in the annual budget submission of the President under section 1105(a) of title 31, United States Code—

(1) a dedicated budget line item for adaptation to, and mitigation of, effects of extreme weather on military networks, systems, installations, facilities, and other assets and capabilities of the Department of Defense; and

(2) an estimate of the anticipated adverse impacts to the readiness of the Department and the financial costs to the Department during the year covered by the budget of the loss of, or damage to, military networks, systems, installations, facilities, and other assets and capabilities of the Department, including loss of or obstructed access to training ranges, as a result extreme weather events.

(b) *DISAGGREGATION OF IMPACTS AND COSTS*.—The estimate under subsection (a)(2) shall set forth the adverse readiness impacts and financial costs under that subsection by military department, Defense Agency, and other component or element of the Department.

(c) *EXTREME WEATHER DEFINED*.—In this section, the term “extreme weather” means recurrent flooding, drought, desertification, wildfires, and thawing permafrost.

SEC. 329. PROHIBITION ON PERFLUOROALKYL SUBSTANCES AND POLYFLUOROALKYL SUBSTANCES IN MEALS READY-TO-EAT FOOD PACKAGING.

(a) *PROHIBITION*.—Not later than October 1, 2021, the Director of the Defense Logistics Agency shall ensure that any food contact substances that are used to assemble and package meals ready-to-eat (MREs) procured by the Defense Logistics Agency do not contain any perfluoroalkyl substances or polyfluoroalkyl substances.

(b) *DEFINITIONS*.—In this section:

(1) *PERFLUOROALKYL SUBSTANCE*.—The term “perfluoroalkyl substance” means a man-made chemical of which all of the carbon atoms are fully fluorinated carbon atoms.

(2) *POLYFLUOROALKYL SUBSTANCE*.—The term “polyfluoroalkyl substance” means a man-made chemical containing a mix of fully fluorinated carbon atoms, partially fluorinated carbon atoms, and nonfluorinated carbon atoms.

SEC. 330. DISPOSAL OF MATERIALS CONTAINING PER- AND POLYFLUOROALKYL SUBSTANCES OR AQUEOUS FILM-FORMING FOAM.

(a) *IN GENERAL*.—The Secretary of Defense shall ensure that when materials containing per- and polyfluoroalkyl substances (referred to in this section as “PFAS”) or aqueous film forming foam (referred to in this section as “AFFF”) are disposed—

(1) all incineration is conducted at a temperature range adequate to break down PFAS chemicals while also ensuring the maximum degree of reduction in emission of PFAS, including elimination of such emissions where achievable;

(2) all incineration is conducted in accordance with the requirements of the Clean Air Act (42 USC 7401 et seq.), including controlling hydrogen fluoride;

(3) any materials containing PFAS that are designated for disposal are stored in accordance with the requirement under part 264 of title 40, Code of Federal Regulations; and

(4) all incineration is conducted at a facility that has been permitted to receive waste regulated under subtitle C of the Solid Waste Disposal Act (42 USC 6921 et seq.).

(b) **SCOPE OF APPLICATION.**—The requirements in subsection (a) only apply to all legacy AFFF formulations containing PFAS, materials contaminated by AFFF release, and spent filters or other PFAS contaminated materials resulting from site remediation or water filtration that—

(1) have been used by the Department of Defense or a military department; or

(2) are being discarded for disposal by means of incineration by the Department of Defense or a military department; or

(3) are being removed from sites or facilities owned or operated by the Department of Defense.

SEC. 331. AGREEMENTS TO SHARE MONITORING DATA RELATING TO PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES AND OTHER CONTAMINANTS OF CONCERN.

(a) **IN GENERAL.**—The Secretary of Defense shall seek to enter into agreements with municipalities or municipal drinking water utilities located adjacent to military installations under which both the Secretary and the municipalities and utilities would share monitoring data relating to perfluoroalkyl substances, polyfluoroalkyl substances, and other emerging contaminants of concern collected at the military installation.

(b) **PUBLICLY AVAILABLE WEBSITE.**—The Secretary of Defense shall maintain a publicly available website that provides a clearinghouse for information about the exposure of members of the Armed Forces, their families, and their communities to per- and polyfluoroalkyl substances. The information provided on the website shall include information on testing, clean-up, and recommended available treatment methodologies.

(c) **PUBLIC COMMUNICATION.**—An agreement under subsection (a) does not negate the responsibility of the Secretary to communicate with the public about drinking water contamination from perfluoroalkyl substances, polyfluoroalkyl substances, and other contaminants.

(d) **MILITARY INSTALLATION DEFINED.**—In this section, the term “military installation” has the meaning given that term in section 2801(c) of title 10, United States Code.

SEC. 332. COOPERATIVE AGREEMENTS WITH STATES TO ADDRESS CONTAMINATION BY PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES.

(a) **COOPERATIVE AGREEMENTS.**—

(1) **IN GENERAL.**—Upon request from the Governor or chief executive of a State, the Secretary of Defense shall work expeditiously, pursuant to section 2701(d) of title 10, United States Code, to finalize a cooperative agreement, or amend an existing cooperative agreement to address testing, monitoring, removal,

and remedial actions relating to the contamination or suspected contamination of drinking, surface, or ground water from PFAS originating from activities of the Department of Defense by providing the mechanism and funding for the expedited review and approval of documents of the Department related to PFAS investigations and remedial actions from an active or decommissioned military installation, including a facility of the National Guard.

(2) **MINIMUM STANDARDS.**—A cooperative agreement finalized or amended under paragraph (1) shall meet or exceed the most stringent of the following standards for PFAS in any environmental media:

(A) An enforceable State standard, in effect in that State, for drinking, surface, or ground water, as described in section 121(d)(2)(A)(ii) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9621(d)(2)(A)(ii)).

(B) An enforceable Federal standard for drinking, surface, or ground water, as described in section 121(d)(2)(A)(i) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9621(d)(2)(A)(i)).

(C) A health advisory under section 1412(b)(1)(F) of the Safe Drinking Water Act (42 U.S.C. 300g-1(b)(1)(F)).

(3) **OTHER AUTHORITY.**—In addition to the requirements for a cooperative agreement under paragraph (1), when otherwise authorized to expend funds for the purpose of addressing ground or surface water contaminated by a perfluorinated compound, the Secretary of Defense may, to expend those funds, enter into a grant agreement, cooperative agreement, or contract with—

(A) the local water authority with jurisdiction over the contamination site, including—

(i) a public water system (as defined in section 1401 of the Safe Drinking Water Act (42 U.S.C. 300f)); and

(ii) a publicly owned treatment works (as defined in section 212 of the Federal Water Pollution Control Act (33 U.S.C. 1292)); or

(B) a State, local, or Tribal government.

(b) **REPORT.**—Beginning on February 1, 2020, if a cooperative agreement is not finalized or amended under subsection (a) within one year after the request from the Governor or chief executive under that subsection, and annually thereafter, the Secretary of Defense shall submit to the appropriate committees and Members of Congress a report—

(1) explaining why the agreement has not been finalized or amended, as the case may be; and

(2) setting forth a projected timeline for finalizing or amending the agreement.

(c) **DEFINITIONS.**—In this section:

(1) **APPROPRIATE COMMITTEES AND MEMBERS OF CONGRESS.**—The term “appropriate committees and Members of Congress” means—

(A) the congressional defense committees;

(B) the Senators who represent a State impacted by PFAS contamination described in subsection (a)(1); and

(C) the Members of the House of Representatives who represent a district impacted by such contamination.

(2) **FULLY FLUORINATED CARBON ATOM.**—The term “fully fluorinated carbon atom” means a carbon atom on which all the hydrogen substituents have been replaced by fluorine.

(3) **PFAS.**—The term “PFAS” means perfluoroalkyl and polyfluoroalkyl substances that are man-made chemicals with at least one fully fluorinated carbon atom.

(4) **STATE.**—The term “State” has the meaning given the term in section 101 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601).

SEC. 333. PLAN TO PHASE OUT USE OF BURN PITS.

Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees a plan to phase out the use of the burn pits identified in the Department of Defense Open Burn Pit Report to Congress dated April 2019.

SEC. 334. INFORMATION RELATING TO LOCATIONS OF BURN PIT USE.

The Secretary of Defense shall provide to the Secretary of Veterans Affairs and to Congress a list of all locations where open-air burn pits have been used by the Secretary of Defense, for the purposes of augmenting the research, healthcare delivery, disability compensation, and other activities of the Secretary of Veterans Affairs.

SEC. 335. DATA QUALITY REVIEW OF RADIUM TESTING CONDUCTED AT CERTAIN LOCATIONS OF THE DEPARTMENT OF THE NAVY.

(a) **REVIEW OF RADIUM TESTING.**—Except as provided in subsection (b), the Secretary of the Navy shall provide for an independent third-party data quality review of all radium testing completed by contractors of the Department of the Navy at a covered location.

(b) **EXCEPTION.**—In the case of a covered location for which an independent third-party data quality review of all radium testing completed by contractors of the Department has been conducted prior to the date of the enactment of this Act, the requirement under subsection (a) shall not apply if the Secretary of the Navy submits to the congressional defense committees a report containing—

(1) a certification that such review has been conducted for such covered location; and

(2) a description of the results of such review.

(c) **COVERED LOCATION DEFINED.**—In this section, the term “covered location” means any of the following:

(1) Naval Weapons Industrial Reserve Plant, Bethpage, New York.

(2) Hunter’s Point Naval Shipyard, San Francisco, California.

SEC. 336. REIMBURSEMENT OF ENVIRONMENTAL PROTECTION AGENCY FOR CERTAIN COSTS IN CONNECTION WITH THE TWIN CITIES ARMY AMMUNITION PLANT, MINNESOTA.

(a) *TRANSFER AMOUNT.*—Notwithstanding section 2215 of title 10, United States Code, the Secretary of Defense may transfer to the Administrator of the Environmental Protection Agency—

- (1) in fiscal year 2020, not more than \$890,790; and
- (2) in each of fiscal years 2021 through 2026, not more than \$150,000.

(b) *PURPOSE OF REIMBURSEMENT.*—The amount authorized to be transferred under subsection (a) is to reimburse the Environmental Protection Agency for costs the Agency has incurred and will incur relating to the response actions performed at the Twin Cities Army Ammunition Plant, Minnesota, through September 30, 2025.

(c) *INTERAGENCY AGREEMENT.*—The reimbursement described in subsection (b) is intended to satisfy certain terms of the interagency agreement entered into by the Department of the Army and the Environmental Protection Agency for the Twin Cities Army Ammunition Plant that took effect in December 1987 and that provided for the recovery of expenses by the Agency from the Department of the Army.

SEC. 337. PILOT PROGRAM FOR AVAILABILITY OF WORKING-CAPITAL FUNDS FOR INCREASED COMBAT CAPABILITY THROUGH ENERGY OPTIMIZATION.

(a) *IN GENERAL.*—Notwithstanding section 2208 of title 10, United States Code, the Secretary of Defense and the military departments may use a working capital fund established pursuant to that section for expenses directly related to conducting a pilot program for energy optimization initiatives described in subsection (b).

(b) *ENERGY OPTIMIZATION INITIATIVES.*—Energy optimization initiatives covered by the pilot program include the research, development, procurement, installation, and sustainment of technologies or weapons system platforms, and the manpower required to do so, that would improve the efficiency and maintainability, extend the useful life, lower maintenance costs, or provide performance enhancement of the weapon system platform or major end item.

(c) *LIMITATION ON CERTAIN PROJECTS.*—Funds may not be used pursuant to subsection (a) for—

- (1) any product improvement that significantly changes the performance envelope of an end item; or
- (2) any single component with an estimated total cost in excess of \$10,000,000.

(d) *LIMITATION IN FISCAL YEAR PENDING TIMELY REPORT.*—If during any fiscal year the report required by paragraph (1) of subsection (e) is not submitted by the date specified in paragraph (2) of that subsection, funds may not be used pursuant to subsection (a) during the period—

- (1) beginning on the date specified in such paragraph (2); and
- (2) ending on the date of the submittal of the report.

(e) *ANNUAL REPORT.*—

- (1) *IN GENERAL.*—The Secretary of Defense shall submit an annual report to the congressional defense committees on the use of the authority under subsection (a) during the preceding fiscal year.

(2) *DEADLINE FOR SUBMITTAL.*—The report required by paragraph (1) in a fiscal year shall be submitted not later than 60 days after the date of the submittal to Congress of the budget of the President for the succeeding fiscal year pursuant to section 1105 of title 31, United States Code.

(3) *RECOMMENDATION.*—In the case of the report required to be submitted under paragraph (1) during fiscal year 2020, the report shall include the recommendation of the Secretary of Defense and the military departments regarding whether the authority under subsection (a) should be made permanent.

(f) *SUNSET.*—The authority under subsection (a) shall expire on October 1, 2024.

SEC. 338. REPORT ON EFFORTS TO REDUCE HIGH ENERGY INTENSITY AT MILITARY INSTALLATIONS.

(a) *REPORT.*—

(1) *REPORT REQUIRED.*—Not later than September 1, 2020, the Under Secretary of Defense for Acquisition and Sustainment, in conjunction with the assistant secretaries responsible for installations and environment for the military departments and the Defense Logistics Agency, shall submit to the congressional defense committees a report detailing the efforts to achieve cost savings at military installations with high energy intensity.

(2) *ELEMENTS.*—The report required under paragraph (1) shall include the following elements:

(A) A comprehensive, installation-specific assessment of feasible and mission-appropriate energy initiatives supporting energy production and consumption at military installations with high energy intensity.

(B) An assessment of current sources of energy in areas with high energy intensity and potential future sources that are technologically feasible, cost-effective, and mission-appropriate for military installations.

(C) A comprehensive implementation strategy to include required investment for feasible energy efficiency options determined to be the most beneficial and cost-effective, where appropriate, and consistent with priorities of the Department of Defense.

(D) An explanation on how the military departments are working collaboratively in order to leverage lessons learned on potential energy efficiency solutions.

(E) An assessment of the extent to which activities administered under the Federal Energy Management Program of the Department of Energy could be used to assist with the implementation strategy under subparagraph (C).

(F) An assessment of State and local partnership opportunities that could achieve efficiency and cost savings, and any legislative authorities required to carry out such partnerships or agreements.

(3) *COORDINATION WITH STATE, LOCAL, AND OTHER ENTITIES.*—In preparing the report required under paragraph (1), the Under Secretary of Defense for Acquisition and Sustainment may work in conjunction and coordinate with the States containing areas of high energy intensity, local communities, and other Federal agencies.

(b) *DEFINITION.*—In this section, the term “high energy intensity” means costs for the provision of energy by kilowatt of electricity or British Thermal Unit of heat or steam for a military installation in the United States that is in the highest 20 percent of all military installations for a military department.

Subtitle C—Treatment of Contaminated Water Near Military Installations

SEC. 341. SHORT TITLE.

This subtitle may be cited as the “Prompt and Fast Action to Stop Damages Act of 2019”.

SEC. 342. DEFINITIONS.

In this subtitle:

(1) *PFOA.*—The term “PFOA” means perfluorooctanoic acid.

(2) *PFOS.*—The term “PFOS” means perfluorooctane sulfonate.

SEC. 343. PROVISION OF WATER UNCONTAMINATED WITH PERFLUOROOCCTANOIC ACID (PFOA) AND PERFLUOROOCCTANE SULFONATE (PFOS) FOR AGRICULTURAL PURPOSES.

(a) *AUTHORITY.*—

(1) *IN GENERAL.*—Using amounts authorized to be appropriated or otherwise made available for operation and maintenance for the military department concerned, or for operation and maintenance Defense-wide in the case of the Secretary of Defense, the Secretary concerned may provide water sources uncontaminated with perfluoroalkyl and polyfluoroalkyl substances, including PFOA and PFOS, or treatment of contaminated waters, for agricultural purposes used to produce products destined for human consumption in an area in which a water source has been determined pursuant to paragraph (2) to be contaminated with such compounds by reason of activities on a military installation under the jurisdiction of the Secretary concerned.

(2) *APPLICABLE STANDARD.*—For purposes of paragraph (1), an area is determined to be contaminated with PFOA or PFOS if—

(A) the level of contamination is above the Lifetime Health Advisory for contamination with such compounds issued by the Environmental Protection Agency and printed in the Federal Register on May 25, 2016; or

(B) on or after the date the Food and Drug Administration sets a standard for PFOA and PFOS in raw agricultural commodities and milk, the level of contamination is above such standard.

(b) *SECRETARY CONCERNED DEFINED.*—In this section, the term “Secretary concerned” means the following:

(1) The Secretary of the Army, with respect to the Army.

(2) The Secretary of the Navy, with respect to the Navy, the Marine Corps, and the Coast Guard (when it is operating as a service in the Navy).

(3) The Secretary of the Air Force, with respect to the Air Force.

(4) *The Secretary of Defense, with respect to the Defense Agencies.*

SEC. 344. ACQUISITION OF REAL PROPERTY BY AIR FORCE.

(a) **AUTHORITY.**—

(1) **IN GENERAL.**—*The Secretary of the Air Force may acquire one or more parcels of real property within the vicinity of an Air Force base that has shown signs of contamination from PFOA and PFOS due to activities on the base and which would extend the contiguous geographic footprint of the base and increase the force protection standoff near critical infrastructure and runways.*

(2) **IMPROVEMENTS AND PERSONAL PROPERTY.**—*The authority under paragraph (1) to acquire real property described in that paragraph shall include the authority to purchase improvements and personal property located on that real property.*

(3) **RELOCATION EXPENSES.**—*The authority under paragraph (1) to acquire real property described in that paragraph shall include the authority to provide Federal financial assistance for moving costs, relocation benefits, and other expenses incurred in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (42 U.S.C. 4601 et seq.).*

(b) **ENVIRONMENTAL ACTIVITIES.**—*The Air Force shall conduct such activities at a parcel or parcels of real property acquired under subsection (a) as are necessary to remediate contamination from PFOA and PFOS related to activities at the Air Force base.*

(c) **FUNDING.**—*Funds for the land acquisitions authorized under subsection (a) shall be derived from amounts authorized to be appropriated for fiscal year 2020 for military construction or the unobligated balances of appropriations for military construction that are enacted after the date of the enactment of this Act.*

(d) **RULE OF CONSTRUCTION.**—*The authority under this section constitutes authority to carry out land acquisitions for purposes of section 2802 of title 10, United States Code.*

SEC. 345. REMEDIATION PLAN.

(a) **IN GENERAL.**—*Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a remediation plan for cleanup of all water at or adjacent to a military installation that is contaminated with PFOA or PFOS.*

(b) **STUDY.**—*In preparing the remediation plan under subsection (a), the Secretary shall conduct a study on the contamination of water at military installations with PFOA or PFOS.*

(c) **BUDGET AMOUNT.**—*The Secretary shall ensure that each budget of the President submitted to Congress under section 1105(a) of title 31, United States Code, requests funding in amounts necessary to address remediation efforts under the remediation plan submitted under subsection (a).*

Subtitle D—Logistics and Sustainment

SEC. 351. MATERIEL READINESS METRICS AND OBJECTIVES.

(a) **ANNUAL REPORT ON MAJOR WEAPONS SYSTEMS SUSTAINMENT.**—

(1) *IN GENERAL.*—Chapter 2 of title 10, United States Code, is amended by inserting after section 117 the following new section:

“§ 118. Annual report on major weapons systems sustainment

“Not later than five days after the date on which the Secretary of Defense submits to Congress the materials in support of the budget of the President for a fiscal year, the Secretary of Defense shall submit to the congressional defense committees an annual report on major weapons systems sustainment for the period covered by the future years defense program specified by section 221 of this title. Such report shall include—

“(1) an assessment of the materiel availability, materiel reliability, and mean down time metrics for each major weapons system;

“(2) a detailed explanation of any factors that could preclude the Department of Defense or any of the military departments from meeting applicable readiness goals or objectives; and

“(3) an assessment of the validity and effectiveness of the definitions used to determine defense readiness, including the terms ‘major weapons system’, ‘covered asset’, ‘total and required inventory’, ‘materiel and operational availability’, ‘materiel and operational capability’, ‘materiel and operational reliability’.”

(2) *CLERICAL AMENDMENT.*—The table of sections at the beginning of such chapter is amended by inserting after the item relating to section 117 the following new item:

“118. Annual report on major weapons systems sustainment.”

(b) *ASSESSMENT OF MATERIEL READINESS AND WEAPONS SYSTEM SUSTAINMENT.*—

(1) *ASSESSMENT REQUIRED.*—Not later than March 1, 2020, the Secretary of Defense shall complete a comprehensive assessment of the materiel readiness and weapons systems sustainment of the Department of Defense across the Department organic industrial base and industry partners.

(2) *CONTENTS.*—The assessment required by paragraph (1) shall include—

(A) an assessment of the overall readiness strategy of the Department of Defense and the capability of such strategy to measure, track, and assess the readiness of major weapons systems;

(B) an assessment of the use of objectives and metrics;

(C) a description of applicable reporting requirements;

and

(D) applicable definitions and common usage of relevant terms, including the terms “major weapons system”, “covered asset”, “total and required inventory”, “materiel and operational availability”, “materiel and operational capability”, “materiel and operational reliability”, and “maintenance costs”.

(3) *SUBMISSION TO CONGRESS.*—The Secretary shall provide to the congressional defense committees—

(A) a briefing on the assessment required by paragraph

(1) by not later than March 1, 2020; and

(B) a final report on such assessment by not later than April 1, 2020.

SEC. 352. CLARIFICATION OF AUTHORITY REGARDING USE OF WORKING-CAPITAL FUNDS FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS RELATED TO REVITALIZATION AND RECAPITALIZATION OF DEFENSE INDUSTRIAL BASE FACILITIES.

Section 2208(u) of title 10, United States Code, is amended—

(1) in paragraph (1), by striking “carry out” and inserting “fund”;

(2) in paragraph (2)—

(A) by striking “Section 2805” and inserting “(A) Except as provided in subparagraph (B), section 2805”;

(B) by striking “carried out with” and inserting “funded using”; and

(C) by adding at the end the following new subparagraph:

“(B) For purposes of applying subparagraph (A), the dollar limitation specified in subsection (a)(2) of section 2805 of this title, subject to adjustment as provided in subsection (f) of such section, shall apply rather than the dollar limitation specified in subsection (c) of such section.”; and

(3) in paragraph (4), by striking “carry out” and inserting “fund”.

SEC. 353. MODIFICATION TO LIMITATION ON LENGTH OF OVERSEAS FORWARD DEPLOYMENT OF NAVAL VESSELS.

Section 323 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended—

(1) by redesignating subsection (c) as subsection (d); and

(2) by inserting after subsection (b) the following new subsection (c):

“(c) EXTENSION OF LIMITATION ON LENGTH OF OVERSEAS FORWARD DEPLOYMENT FOR U.S.S. SHILOH (CG–67).—Notwithstanding subsection (b), the Secretary of the Navy shall ensure that the U.S.S. Shiloh (CG–67) is assigned a homeport in the United States by not later than September 30, 2023.”.

SEC. 354. EXTENSION OF TEMPORARY INSTALLATION REUTILIZATION AUTHORITY FOR ARSENALS, DEPOTS, AND PLANTS.

Section 345(d) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C. 2667 note) is amended by striking “September 30, 2020” and inserting “September 30, 2025”.

SEC. 355. F–35 JOINT STRIKE FIGHTER SUSTAINMENT.

(a) LIMITATION ON USE OF FUNDS.—Of the amounts authorized to be appropriated or otherwise made available in this Act for the Office of the Under Secretary of Defense for Acquisition and Sustainment for fiscal year 2020, not more than 75 percent may be obligated or expended until the date on which the Under Secretary submits the report required by subsection (b).

(b) REPORT REQUIRED.—The Under Secretary of Defense for Acquisition and Sustainment shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on steps being taken to improve the availability and accountability of F–35 parts within the supply chain. At a minimum, the report shall include a detailed plan for each of the following elements:

(1) *How the accountable property system of record will be updated with information from the prime contractors supplying such parts on required cost and related data with respect to the parts and how the F-35 Program Office will ensure such contractors are adhering to contractual requirements for the management, reporting, visibility, and accountability of all such parts supplied by the prime contractors.*

(2) *How the accountability property system of record will have interfaces that allow the F-35 Program Office and other authorized entities to have proper accountability of assets in accordance with applicable Department of Defense Instructions, Department of Defense Manuals, and other applicable regulations.*

(3) *How the F-35 Program Office, in coordination with the military departments, will ensure business rules for the prioritization of F-35 parts across all program participants are sufficient, effective, and responsive.*

(4) *Steps being taken to ensure parts within the base, afloat, and deployment spares packages are compatible for deploying F-35 aircraft and account for updated parts demand.*

SEC. 356. REPORT ON STRATEGIC POLICY FOR PREPOSITIONED MATERIEL AND EQUIPMENT.

Not later than March 1, 2020, the Assistant Secretary of Defense for Sustainment, in coordination with the Joint Staff, shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the implementation plan for prepositioned materiel and equipment required by section 321(b) of the National Defense Authorization Act for Fiscal Year 2014 (Public Law 113-66; 127 Stat. 730; 10 U.S.C. 2229 note). Such report shall include each of the following:

(1) *A comprehensive list of the prepositioned materiel and equipment programs of the Department of Defense.*

(2) *A detailed description of how the plan will be implemented.*

(3) *A description of the resources required to implement the plan, including the amount of funds and personnel.*

(4) *A description of how the plan will be reviewed and assessed to monitor progress.*

(5) *Guidance on applying a consistent definition of prepositioning across the Department, including the military departments, the combatant commands, and the Defense Agencies.*

(6) *A detailed description of how the Secretary will implement a joint oversight approach of the prepositioning programs of the military departments.*

SEC. 357. PILOT PROGRAM TO TRAIN SKILLED TECHNICIANS IN CRITICAL SHIPBUILDING SKILLS.

(a) *ESTABLISHMENT.*—*The Secretary of the Navy may carry out a pilot program to train individuals to become skilled technicians in critical shipbuilding skills such as welding, metrology, quality assurance, machining, and additive manufacturing.*

(b) *PARTNERSHIPS.*—*In carrying out the pilot program under this section, the Secretary may partner with existing Federal or State projects relating to investment and infrastructure in training and education or workforce development, such as the National Net-*

work for Manufacturing Innovation, the Industrial Base Analysis and Sustainment program of the Department of Defense, and the National Maritime Educational Council.

(c) *TERMINATION.*—The authority to carry out a pilot program under this section shall terminate on September 30, 2025.

(d) *BRIEFINGS.*—If the Secretary carries out a pilot program under this section, the Secretary shall provide briefings to the Committees on Armed Services of the Senate and the House of Representatives as follows:

(1) Not later than 30 days before beginning to implement the pilot program, the Secretary shall provide a briefing on the plan, cost estimate, and schedule for the pilot program.

(2) Not less frequently than annually during the period when the pilot program is carried out, the Secretary shall provide briefings on the progress of the Secretary in carrying out the pilot program.

SEC. 358. REQUIREMENT FOR MILITARY DEPARTMENT INTER-SERVICE DEPOT MAINTENANCE.

(a) *JOINT PROCESS FOR TECHNICAL COMPLIANCE AND QUALITY CONTROL.*—If the Secretary of a military department transfers any maintenance action on a platform to a depot under the jurisdiction of the Secretary of another military department, the two Secretaries shall develop and implement a process to ensure the technical compliance and quality control for the work performed.

(b) *REQUIREMENTS.*—A process developed under subsection (a) shall include the following requirements—

(1) The Secretary of the military department with jurisdiction over the depot to which the maintenance action is transferred shall—

(A) ensure that the technical specifications, requirements, and standards for work to be performed are provided to such action or depot; and

(B) implement procedures to ensure that completed work complies with such specifications, requirements and standards.

(2) The Secretary who transfers the maintenance activity or depot shall ensure that—

(A) the technical specifications and requirements are clearly understood; and

(B) the work performed is completed to the technical specifications, requirements, and standards prescribed under paragraph (1), and that the Secretary of the military department with jurisdiction over the depot is informed of any shortcoming or discrepancy.

(c) *REPORTS.*—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment shall submit to the congressional defense committees a report containing a certification that sufficient policy and procedures are in place to ensure quality control when the depot or maintenance activities of one military department support another. The report shall include a description of known shortfalls in existing policies and procedures and actions the Department of Defense is taking to address such shortfalls.

SEC. 359. STRATEGY TO IMPROVE INFRASTRUCTURE OF CERTAIN DEPOTS OF THE DEPARTMENT OF DEFENSE.

(a) *STRATEGY REQUIRED.*—Not later than October 1, 2020, the Secretary of Defense shall submit to the congressional defense committees a comprehensive strategy for improving the depot infrastructure of the military departments with the objective of ensuring that all covered depots have the capacity and capability to support the readiness and material availability goals of current and future weapon systems of the Department of Defense.

(b) *ELEMENTS.*—The strategy under subsection (a) shall include the following:

(1) A comprehensive review of the conditions and performance at each covered depot, including the following:

(A) An assessment of the current status of the following elements:

(i) Cost and schedule performance of the depot.

(ii) Material availability of weapon systems supported at the depot and the impact of the performance of the depot on that availability.

(iii) Work in progress and non-operational items awaiting depot maintenance.

(iv) The condition of the depot.

(v) The backlog of restoration and modernization projects at the depot.

(vi) The condition of equipment at the depot.

(vii) the vulnerability of the depot to adverse environmental conditions and, if necessary, the investment required to withstand those conditions.

(B) An identification of analytically based goals relating to the elements identified in subparagraph (A).

(2) A business-case analysis that assesses investment alternatives comparing cost, performance, risk, and readiness outcomes and recommends an optimal investment approach across the Department of Defense to ensure covered depots efficiently and effectively meet the readiness goals of the Department, including an assessment of the following alternatives:

(A) The minimum investment necessary to meet investment requirements under section 2476 of title 10, United States Code.

(B) The investment necessary to ensure the current inventory of facilities at covered depots can meet the mission-capable, readiness, and contingency goals of the Secretary of Defense.

(C) The investment necessary to execute the depot infrastructure optimization plans of each military department.

(D) Any other strategies for investment in covered depots, as identified by the Secretary.

(3) A plan to improve conditions and performance of covered depots that identifies the following:

(A) The approach of the Secretary of Defense for achieving the goals outlined in paragraph (1)(B).

(B) The resources and investments required to implement the plan.

(C) The activities and milestones required to implement the plan.

(D) A results-oriented approach to assess—

(i) the progress of each military department in achieving such goals; and

(ii) the progress of the Department in implementing the plan.

(E) Organizational roles and responsibilities for implementing the plan.

(F) A process for conducting regular management review and coordination of the progress of each military department in implementing the plan and achieving such goals.

(G) The extent to which the Secretary has addressed recommendations made by the Comptroller General of the United States relating to depot operations during the five-year period preceding the date of submittal of the strategy under this section.

(H) Risks to implementing the plan and mitigation strategies to address those risks.

(c) ANNUAL REPORT ON PROGRESS.—As part of the annual budget submission of the President under section 1105(a) of title 31, United States Code, the Secretary of Defense shall submit to the congressional defense committees a report describing the progress made in—

(1) implementing the strategy under subsection (a); and

(2) achieving the goals outlined in subsection (b)(1)(B).

(d) COMPTROLLER GENERAL REPORTS.—

(1) ASSESSMENT OF STRATEGY.—Not later than January 1, 2021, the Comptroller General of the United States shall submit to the congressional defense committees a report assessing the extent to which the strategy under subsection (a) meets the requirements of this section.

(2) ASSESSMENT OF IMPLEMENTATION.—Not later than April 1, 2022, the Comptroller General shall submit to the congressional defense committees a report setting forth an assessment of the extent to which the strategy under subsection (a) has been effectively implemented by each military department and the Secretary of Defense.

(e) COVERED DEPOT DEFINED.—In this section, the term “covered depot” has the meaning given that term in section 2476(e) of title 10, United States Code.

Subtitle E—Reports

SEC. 361. READINESS REPORTING.

(a) READINESS REPORTING SYSTEM.—Section 117 of title 10, United States Code, is amended—

(1) by striking subsections (d) through (g); and

(2) by redesignating subsection (h) as subsection (d).

(b) QUARTERLY REPORTS.—Section 482 of title 10, United States Code, is amended—

(1) in the section heading, by striking “**Quarterly reports: personnel and unit readiness**” and inserting “**Readiness reports**”;

(2) in subsection (a)—

(A) In the subsection heading, by striking “QUARTERLY REPORTS REQUIRED” and inserting “REPORTS AND BRIEFINGS”;

(B) In the first sentence—

(i) by striking “Not later” and inserting “(1) Not later”; and

(ii) by striking “each calendar-year quarter” and inserting “the second and fourth quarter of each calendar year”;

(C) by striking the second and third sentences and inserting “The Secretary of Defense shall submit each such report in writing and shall also submit a copy of each such report to the Chairman of the Joint Chiefs of Staff.”; and

(D) by adding at the end the following new paragraphs:

“(2) Not later than 30 days after the end of the first and third quarter of each calendar year, the Secretary of Defense shall provide to Congress a briefing regarding the military readiness of the active and reserve components.

“(3) Each report under this subsection shall contain the elements required by subsection (b) for the quarter covered by the report, and each briefing shall address any changes to the elements described in subsection (b) since the submittal of the most recently submitted report.”;

(3) by striking subsection (b) and inserting the following:

“(b) **REQUIRED ELEMENTS.**—The elements described in this subsection are each of the following:

“(1) A description of each readiness problem or deficiency that affects the ground, sea, air, space, cyber, or special operations forces, and any other area determined appropriate by the Secretary of Defense.

“(2) The key contributing factors, indicators, and other relevant information related to each identified problem or deficiency.

“(3) The short-term mitigation strategy the Department will employ to address each readiness problem or deficiency until a resolution is in place, as well as the timeline, cost, and any legislative remedies required to support the resolution.

“(4) A summary of combat readiness ratings for the key force elements assessed, including specific information on personnel, supply, equipment, and training problems or deficiencies that affect the combat readiness ratings for each force element.

“(5) A summary of each upgrade or downgrade of the combat readiness of a unit that was issued by the commander of the unit, together with the rationale of the commander for the issuance of such upgrade or downgrade.

“(6) A summary of the readiness of supporting capabilities, including infrastructure, prepositioned equipment and supplies, and mobility assets, and other supporting logistics capabilities.

“(7) A summary of the readiness of the combat support and related agencies, any readiness problem or deficiency affecting any mission essential tasks of any such agency, and actions recommended to address any such problem or deficiency.

“(8) A list of all Class A, Class B, and Class C mishaps that occurred in operations related to combat support and training events involving aviation, ground, or naval platforms, weapons, space, or Government vehicles, as defined by Department of Defense Instruction 6055.07, or a successor instruction.

“(9) Information on the extent to which units of the armed forces have removed serviceable parts, supplies, or equipment from one vehicle, vessel, or aircraft in order to render a different vehicle, vessel, or aircraft operational.

“(10) Such other information as determined necessary or appropriate by the Secretary of Defense.”;

(4) by striking subsections (d) through (h) and subsection (j);

(5) by redesignating subsection (i) as subsection (e); and

(6) by inserting after subsection (c) the following new subsections (d):

“(d) SEMI-ANNUAL JOINT FORCE READINESS REVIEW.—(1) Not later than 30 days after the last day of the first and third quarter of each calendar year, the Chairman of the Joint Chiefs of Staff shall submit to Congress a written report on the capability of the armed forces, the combat support and related agencies, operational contract support, and the geographic and functional combatant commands to execute their wartime missions based upon their posture and readiness as of the time the review is conducted.

“(2) The Chairman shall produce the report required under this subsection using information derived from the quarterly reports required by subsection (a).

“(3) Each report required by this subsection shall include an assessment by each commander of a geographic or functional combatant command of the readiness of the command to conduct operations in a multidomain battle that integrates ground, sea, air, space, cyber, and special operations forces.

“(4) The Chairman shall submit to the Secretary of Defense a copy of each report under this subsection.”.

(c) CLERICAL AMENDMENT.—The table of sections at the beginning of chapter 23 of such title is amended by striking the item relating to section 482 and inserting the following new item:

“482. Readiness reports.”.

SEC. 362. TECHNICAL CORRECTION TO DEADLINE FOR TRANSITION TO DEFENSE READINESS REPORTING SYSTEM STRATEGIC.

Section 358(c) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232) is amended by striking “October 1, 2019” and inserting “October 1, 2020”.

SEC. 363. REPORT ON NAVY SHIP DEPOT MAINTENANCE BUDGET.

(a) IN GENERAL.—Not later than March 1 of each of 2020, 2021, and 2022, the Secretary of the Navy shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the Operation and Maintenance, Ship Depot Maintenance budget sub-activity group.

(b) ELEMENTS.—The report required under subsection (a) shall include each of the following elements:

(1) A breakdown of funding, categorized by class of ship, requested for ship and submarine maintenance.

(2) A description of how the requested funding, categorized by class of ship, compares to the identified ship maintenance requirement.

(3) The amount of funds appropriated for each class of ship for the preceding fiscal year.

(4) The amount of funds obligated and expended for each class of ship for each of the three preceding fiscal years.

(5) The cost, categorized by class of ship, of unplanned growth work for each of the three preceding fiscal years.

SEC. 364. REPORT ON RUNIT DOME.

(a) **REPORT REQUIRED.**—Not later than 180 days after the date of the enactment of this Act, the Secretary of Energy shall submit to the Committees on Armed Services of the Senate and House of Representatives a report on the status of the Runit Dome in the Marshall Islands.

(b) **MATTERS FOR INCLUSION.**—The report required by subsection (a) shall include each of the following:

(1) A detailed plan to repair the dome to ensure that it does not have any harmful effects to the local population, environment, or wildlife, including the projected costs of implementing such plan.

(2) The effects on the environment that the dome has currently and is projected to have in 5 years, 10 years, and 20 years.

(3) An assessment of the current condition of the outer constructs of the dome.

(4) An assessment of the current and long-term safety to local humans posed by the site.

(5) An assessment of how rising sea levels might affect the dome.

(6) A summary of interactions between the Government of the United States and the government of the Marshall Islands about the dome.

(c) **FORM OF REPORT.**—The report required by subsection (a) shall be submitted in unclassified form and made publicly available.

SEC. 365. PROHIBITION ON SUBJECTIVE UPGRADES BY COMMANDERS OF UNIT RATINGS IN MONTHLY READINESS REPORTING ON MILITARY UNITS.

(a) **IN GENERAL.**—The Chairman of the Joint Chiefs of Staff shall modify Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 3401.02B, on Force Readiness Reporting, to prohibit the commander of a military unit who is responsible for monthly reporting of the readiness of the unit under the instruction from making any upgrade of the overall rating of the unit (commonly referred to as the “C-rating”) for such reporting purposes based in whole or in part on subjective factors.

(b) **WAIVER.**—

(1) **IN GENERAL.**—The modification required by subsection (a) shall authorize an officer in a general or flag officer grade in the chain of command of a commander described in that subsection to waive the prohibition described in that subsection in connection with readiness reporting on the unit concerned if the officer considers the waiver appropriate in the circumstances.

(2) *REPORTING ON WAIVERS.*—Each report on personnel and unit readiness submitted to Congress for a calendar year quarter pursuant to section 482 of title 10, United States Code, shall include information on each waiver, if any, issued pursuant to paragraph (1) during such calendar year quarter.

SEC. 366. REQUIREMENT TO INCLUDE FOREIGN LANGUAGE PROFICIENCY IN READINESS REPORTING SYSTEMS OF DEPARTMENT OF DEFENSE.

Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense and the Secretary of each military department shall include in the Global Readiness and Force Management Enterprise, for the appropriate billets with relevant foreign language requirements, measures of foreign language proficiency as a mandatory element of unit readiness reporting, to include the Defense Readiness Reporting Systems-Strategic (DRRS-S) and all other subordinate systems that report readiness data.

Subtitle F—Other Matters

SEC. 371. PREVENTION OF ENCROACHMENT ON MILITARY TRAINING ROUTES AND MILITARY OPERATIONS AREAS.

Section 183a of title 10, United States Code, is amended—

(1) in subsection (c)(6), in the second sentence—

(A) by striking “radar or airport surveillance radar operated” and inserting “radar, airport surveillance radar, or wide area surveillance over-the-horizon radar operated”; and

(B) by inserting “Any setback for a project pursuant to the previous sentence shall not be more than what is determined to be necessary by a technical analysis conducted by the Lincoln Laboratory at the Massachusetts Institute of Technology or any successor entity.” after “mitigation options.”;

(2) in subsection (d)—

(A) in paragraph (2)(E), by striking “to a Deputy Secretary of Defense, an Under Secretary of Defense, or a Principal Deputy Under Secretary of Defense” and inserting “to the Deputy Secretary of Defense, an Under Secretary of Defense, or a Deputy Under Secretary of Defense”;

(B) by redesignating paragraph (3) as paragraph (4); and

(C) by inserting after paragraph (2) the following new paragraph (3):

“(3) The governor of a State may recommend to the Secretary of Defense additional geographical areas of concern within that State. Any such recommendation shall be submitted for notice and comment pursuant to paragraph (2)(C).”;

(3) in subsection (e)(3), by striking “an under secretary of defense, or a deputy under secretary of defense” and inserting “an Under Secretary of Defense, or a Deputy Under Secretary of Defense”;

(4) in subsection (f), in the first sentence, by striking “from an applicant for a project filed with the Secretary of Transportation pursuant to section 44718 of title 49” and inserting “from an entity requesting a review by the Clearinghouse under this section”; and

(5) in subsection (h)—

(A) by redesignating paragraphs (3), (4), (5), (6), and (7) as paragraphs (4), (5), (6), (7), and (9), respectively;

(B) by inserting after paragraph (2) the following new paragraph (3):

“(3) The term ‘governor’, with respect to a State, means the chief executive officer of the State.”;

(C) in paragraph (7), as redesignated by subparagraph (A), by striking “by the Federal Aviation Administration” and inserting “by the Administrator of the Federal Aviation Administration”; and

(D) by inserting after paragraph (7), as redesignated by subparagraph (A), the following new paragraph:

“(8) The term ‘State’ means the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, Guam, the United States Virgin Islands, and American Samoa.”.

SEC. 372. EXPANSION AND ENHANCEMENT OF AUTHORITIES ON TRANSFER AND ADOPTION OF MILITARY ANIMALS.

(a) **TRANSFER AND ADOPTION GENERALLY.**—Section 2583 of title 10, United States Code, is amended—

(1) in subsection (a)—

(A) in the subsection heading, by inserting “TRANSFER OR” before “ADOPTION”; and

(B) by striking “adoption” each place it appears and inserting “transfer or adoption”;

(2) in subsection (b)—

(A) in the subsection heading, by inserting “TRANSFER OR” before “ADOPTION”; and

(B) in the first sentence, by striking “adoption” and inserting “transfer or adoption”; and

(C) in the second sentence, striking “adoptability” and inserting “transferability or adoptability”;

(3) in subsection (c)(1)—

(A) in the matter preceding subparagraph (A)—

(i) by inserting “transfer or” before “adoption”; and

(ii) by inserting “, by” after “recommended priority”;

(B) in subparagraphs (A) and (B), by inserting “adoption” before “by”;

(C) in subparagraph (B), by inserting “or organizations” after “persons”; and

(D) in subparagraph (C), by striking “by” and inserting “transfer to”; and

(4) in subsection (e)—

(A) in the subsection heading, by inserting “OR ADOPTED” after “TRANSFERRED”;

(B) in paragraphs (1) and (2), by striking “transferred” each place it appears and inserting “transferred or adopted”; and

(C) in paragraph (2), by striking “transfer” each place it appears and inserting “transfer or adoption”.

(b) **VETERINARY SCREENING AND CARE FOR MILITARY WORKING DOGS TO BE RETIRED.**—Such section is further amended—

(1) by redesignating subsections (f), (g), and (h) as subsections (g), (h), and (i), respectively; and

(2) by inserting after subsection (e) the following new subsection (f):

“(f) **VETERINARY SCREENING AND CARE FOR MILITARY WORKING DOGS TO BE RETIRED.**—(1)(A) If the Secretary of the military department concerned determines that a military working dog should be retired, such Secretary shall transport the dog to the Veterinary Treatment Facility at Lackland Air Force Base, Texas.

“(B) In the case of a contract working dog to be retired, transportation required by subparagraph (A) is satisfied by the transfer of the dog to the 341st Training Squadron at the end of the dog’s service life as required by section 2410r of this title and assignment of the dog to the Veterinary Treatment Facility referred to in that subparagraph.

“(2)(A) The Secretary of Defense shall ensure that each dog transported as described in paragraph (1) to the Veterinary Treatment Facility referred to in that paragraph is provided with a full veterinary screening, and necessary veterinary care (including surgery for any mental, dental, or stress-related illness), before transportation of the dog in accordance with subsection (g).

“(B) For purposes of this paragraph, stress-related illness includes illness in connection with post-traumatic stress, anxiety that manifests in a physical ailment, obsessive compulsive behavior, and any other stress-related ailment.

“(3) Transportation is not required under paragraph (1), and screening and care is not required under paragraph (2), for a military working dog located outside the United States if the Secretary of the military department concerned determines that transportation of the dog to the United States would not be in the best interests of the dog for medical reasons.”

(c) **COORDINATION OF SCREENING AND CARE REQUIREMENTS WITH TRANSPORTATION REQUIREMENTS.**—Subsection (g) of such section, as redesignated by subsection (b)(1) of this section, is amended to read as follows:

“(g) **TRANSPORTATION OF RETIRING MILITARY WORKING DOGS.**—Upon completion of veterinary screening and care for a military working dog to be retired pursuant to subsection (f), the Secretary of the military department concerned shall—

“(1) if the dog was at a location outside the United States immediately prior to transportation for such screening and care and a United States citizen or member of the armed forces living abroad agrees to adopt the dog, transport the dog to such location for adoption; or

“(2) for any other dog, transport the dog—

“(A) to the 341st Training Squadron;

“(B) to another location within the United States for transfer or adoption under this section.”

(d) **PRESERVATION OF POLICY ON TRANSFER OF MILITARY WORKING DOGS TO LAW ENFORCEMENT AGENCIES.**—Subsection (h) of such section, as so redesignated, is amended in paragraph (3) by striking “adoption of military working dogs” and all that follows through the period at the end and inserting “transfer of military working dogs to law enforcement agencies before the end of the dogs’ useful working lives.”

(e) *CLARIFICATION OF HORSES TREATABLE AS MILITARY ANIMALS.*—Subsection (i) of such section, as so redesignated, is amended by striking paragraph (2) and inserting the following new paragraph (2):

“(2) An equid (horse, mule, or donkey) owned by the Department of Defense.”.

(f) *CONTRACT TERM FOR CONTRACT WORKING DOGS.*—Section 2410r(a) of title 10, United States Code, is amended—

(1) by inserting “, and shall contain a contract term,” after “shall require”;

(2) by inserting “and assigned for veterinary screening and care in accordance with section 2583 of this title” after “341st Training Squadron”; and

(3) by striking “section 2583 of this title” and inserting “such section”.

SEC. 373. EXTENSION OF AUTHORITY FOR SECRETARY OF DEFENSE TO USE DEPARTMENT OF DEFENSE REIMBURSEMENT RATE FOR TRANSPORTATION SERVICES PROVIDED TO CERTAIN NON-DEPARTMENT OF DEFENSE ENTITIES.

Section 2642(b) of title 10, United States Code, is amended by striking “October 1, 2019” and inserting “October 1, 2024”.

SEC. 374. EXTENSION OF AUTHORITY OF SECRETARY OF TRANSPORTATION TO ISSUE NON-PREMIUM AVIATION INSURANCE.

Section 44310(b) of title 49, United States Code, is amended by striking “December 31, 2019” and inserting “September 30, 2023”.

SEC. 375. DEFENSE PERSONAL PROPERTY PROGRAM.

(a) *REPORT ON PERSONAL PROPERTY PROGRAM IMPROVEMENT ACTION PLAN.*—

(1) *IN GENERAL.*—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment and the Under Secretary of Defense for Personnel and Readiness shall jointly submit to the congressional defense committees a report on implementation of the Personal Property Program Improvement Action Plan that was developed by the Personnel Relocation/Household Goods Movement Cross-Functional Team.

(2) *CONTENTS OF REPORT.*—The report required under paragraph (1) shall include updated information on the efforts of the Department of Defense to—

(A) integrate permanent-change-of-station orders with transportation systems;

(B) reduce the number of report dates during peak moving season;

(C) synchronize the communication of information about orders to all parties involved, including industry;

(D) improve lead time for permanent-change-of-station orders;

(E) meet quality assurance inspection standards;

(F) improve the claims review process; and

(G) incorporate predictive analytics to anticipate potentially problematic shipments.

(3) *BRIEFING.*—Not later than 180 days after the date of the enactment of this Act, the Under Secretary of Defense for Acquisition and Sustainment and the Assistant Secretary of Defense for Personnel and Readiness shall jointly provide to the con-

gressional defense committees a briefing on the report required under this subsection.

(b) **BUSINESS CASE ANALYSIS.**—Not later than 30 days after the date of the enactment of this Act, the Commander of United States Transportation Command shall submit to the congressional defense committees a business case analysis for the proposed award of a global household goods contract for the defense personal property program.

(c) **GAO REPORT.**—Not later than 30 days after the date on which the Commander of United States Transportation Command submits the business case analysis required by subsection (b), the Comptroller General of the United States shall submit to the congressional defense committees a report on a comprehensive study conducted by the Comptroller General that includes—

(1) an analysis of the effects that the outsourcing of the management and oversight of the movement of household goods to a private entity or entities would have on members of the Armed Forces and their families;

(2) a comprehensive cost-benefit analysis; and

(3) recommendations for changes to the strategy of the Department of Defense for the defense personal property program.

(d) **LIMITATION.**—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2020 may be used to enter into a global household goods contract until April 1, 2020.

(e) **DEFINITIONS.**—In this section:

(1) The term “global household goods contract” means the solicitation managed by United States Transportation Command to engage a private entity to manage the defense personal property program.

(2) The term “defense personal property program” means the Department of Defense program used to manage the shipment of the baggage and household effects of members of the Armed Forces under section 476 of title 37, United States Code.

SEC. 376. PUBLIC EVENTS ABOUT RED HILL BULK FUEL STORAGE FACILITY.

(a) **REQUIREMENT.**—At least once every calendar quarter, the Secretary of the Navy, or the designee of the Secretary, shall hold an event that is open to the public at which the Secretary shall provide up-to-date information about the Red Hill Bulk Fuel Storage Facility.

(b) **TERMINATION.**—The requirement to hold events under subsection (a) shall terminate on the earlier of the following dates:

(1) September 30, 2025.

(2) The date on which the Red Hill Bulk Fuel Storage Facility ceases operation.

SEC. 377. SENSE OF CONGRESS REGARDING INNOVATIVE READINESS TRAINING PROGRAM.

It is the sense of Congress that—

(1) the Innovative Readiness Training program is an effective training program for members of the Armed Forces and is highly beneficial to civilian-military relationships with local American communities;

(2) due to the geographic complexities and realities of non-contiguous States and territories, Innovative Readiness Train-

ing has lent greater benefit to such States and territories while providing unique and realistic training opportunities and deployment readiness for members of the Armed Forces;

(3) the Department of Defense should pursue continued Innovative Readiness Training opportunities, and, where applicable, strongly encourage the use of Innovative Readiness Training in non-contiguous States and territories; and

(4) in considering whether to recommend a project, the Secretary should consider the benefits of the project to the economy of a region damaged by natural disasters.

SEC. 378. DETONATION CHAMBERS FOR EXPLOSIVE ORDNANCE DISPOSAL.

(a) IN GENERAL.—The Secretary of the Navy shall purchase and operate a portable closed detonation chamber and water jet cutting system to be deployed at a former naval bombardment area located outside the continental United States that is part of an active remediation program using amounts made available for environmental restoration, Navy. Upon a determination by the Secretary of the Navy that the chamber has completed the mission of destroying appropriately sized munitions at such former naval bombardment area, the Secretary may deploy the chamber to another location.

(b) AUTHORIZATION OF APPROPRIATIONS.—There is authorized to be appropriated for fiscal year 2020 \$10,000,000 to carry out subsection (a).

TITLE XLIII—OPERATION AND MAINTENANCE

SEC. 4301. OPERATION AND MAINTENANCE.

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
OPERATION & MAINTENANCE, ARMY						
OPERATING FORCES						
010	MANEUVER UNITS	1,735,922	1,659,222	1,735,922	-337,248	1,398,674
	Realignment to OCO				[260,548]	
	Unjustified growth		[-76,700]		[76,700]	
020	MODULAR SUPPORT BRIGADES	127,815	126,515	127,815	-3,150	124,665
	Unjustified growth		[-1,300]		[3,150]	
030	ECHELONS ABOVE BRIGADE	716,356	709,356	716,356	-7,000	709,356
	Unjustified growth		[-7,000]		[7,000]	
040	THEATER LEVEL ASSETS	890,891	881,991	890,891	-12,000	878,891
	Unjustified growth		[-8,900]		[12,000]	
050	LAND FORCES OPERATIONS SUPPORT	1,232,477	1,215,477	1,232,477	-9,500	1,222,977
	Program decrease		[-15,000]		[9,500]	
	Unjustified growth		[-2,000]		[86,500]	
060	AVIATION ASSETS	1,355,606	1,282,106	1,355,606	-86,500	1,269,106
	Excess to need		[-73,500]		[86,500]	
070	FORCE READINESS OPERATIONS SUPPORT	3,882,315	2,644,315	3,882,315	-1,218,000	2,664,315
	Excess FTE request		[-38,000]		[2,000]	
	Female personal protective equipment		[2,000]			
	Program decrease		[-15,000]			
	Realignment to OCO		[-1,100,000]		[1,100,000]	
	Unjustified growth		[-12,000]		[120,000]	

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
080	Unjustified transfer		[-75,000]			
	LAND FORCES SYSTEMS READINESS	417,069	417,069	446,269	29,200	446,269
	UPL MDTF INDOPACOM			[29,200]	[29,200]	
090	LAND FORCES DEPOT MAINTENANCE	1,633,327	1,633,327	1,633,327	-25,000	1,608,327
	Unjustified growth				[-25,000]	
100	BASE OPERATIONS SUPPORT	8,047,933	8,032,933	7,951,473	-45,000	8,002,933
	Army Community Services		[30,000]			
	Historical underexecution			[-46,000]		
	Revised MHP1 cost share			[-50,460]		
	Unjustified growth		[-45,000]		[-45,000]	
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	4,326,840	4,051,840	4,326,840		4,326,840
	Unexecutable growth		[-275,000]			
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	405,612	405,612	405,612		405,612
160	US AFRICA COMMAND	251,511	251,511	251,511	-8,500	243,011
	Unjustified growth				[-8,500]	
170	US EUROPEAN COMMAND	146,358	146,358	154,158		146,358
	Unjustified growth			[7,800]		
180	US SOUTHERN COMMAND	191,840	218,340	191,840	18,000	209,840
	Multi-Mission Support Vessel		[18,000]		[18,000]	
	Overland airborne ISR operations		[8,500]			
190	US FORCES KOREA	57,603	57,603	57,603		57,603
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	423,156	423,156	423,156		423,156
210	CYBERSPACE ACTIVITIES—CYBERSECURITY	551,185	551,185	551,185		551,185
	SUBTOTAL OPERATING FORCES	26,393,816	24,707,916	26,334,356	-1,704,688	24,689,118
	MOBILIZATION					
220	STRATEGIC MOBILITY	380,577	380,577	380,577		380,577

230	ARMY PREPOSITIONED STOCKS	362,942	362,942	362,942	362,942
240	INDUSTRIAL PREPAREDNESS	4,637	4,637	4,637	5,637
	Advanced Manufacturing COE Tech Roadmapping				1,000
	SUBTOTAL MOBILIZATION	748,156	748,156	748,156	749,156
	TRAINING AND RECRUITING				
250	OFFICER ACQUISITION	157,175	157,175	157,175	157,175
260	RECRUIT TRAINING	55,739	55,739	55,739	55,739
270	ONE STATION UNIT TRAINING	62,300	62,300	62,300	62,300
280	SENIOR RESERVE OFFICERS TRAINING CORPS	538,357	538,357	538,357	538,357
290	SPECIALIZED SKILL TRAINING	969,813	969,813	969,813	969,813
300	FLIGHT TRAINING	1,234,049	1,209,049	1,234,049	1,234,049
	Changes to AH-64E Program		[-25,000]		
310	PROFESSIONAL DEVELOPMENT EDUCATION	218,338	218,338	218,338	218,338
320	TRAINING SUPPORT	554,659	550,659	554,659	552,659
	Excess travel request		[-4,000]		
330	RECRUITING AND ADVERTISING	716,056	716,056	636,056	706,056
	Unjustified growth for advertising			[-70,000]	
	Unjustified growth for recruiting			[-10,000]	
340	EXAMINING	185,034	185,034	185,034	185,034
350	OFF-DUTY AND VOLUNTARY EDUCATION	214,275	214,275	214,275	214,275
360	CIVILIAN EDUCATION AND TRAINING	147,647	147,647	147,647	147,647
370	JUNIOR RESERVE OFFICER TRAINING CORPS	173,812	173,812	173,812	173,812
	SUBTOTAL TRAINING AND RECRUITING	5,227,254	5,198,254	5,147,254	5,215,254
	ADMIN & SRVWIDE ACTIVITIES				
390	SERVICEMIDE TRANSPORTATION	559,229	559,229	559,229	559,229
400	CENTRAL SUPPLY ACTIVITIES	929,944	929,944	929,944	928,944
	Excess personnel		[-2,000]		
410	LOGISTIC SUPPORT ACTIVITIES	629,981	629,981	629,981	629,981
420	AMMUNITION MANAGEMENT	458,771	458,771	458,771	451,771
	Unjustified growth				[-7,000]

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
430	ADMINISTRATION	428,768	428,768	428,768	-10,000	418,768
	Unjustified growth				[-10,000]	
440	SERVICEMAN COMMUNICATIONS	1,512,736	1,512,736	1,512,736	-40,000	1,472,736
	Program decrease unaccounted for				[-40,000]	
450	MANPOWER MANAGEMENT	272,738	272,738	272,738		272,738
460	OTHER PERSONNEL SUPPORT	391,869	381,869	363,869	-30,000	361,869
	Historical underexecution			[-28,000]		
	Unjustified growth		[-10,000]		[-30,000]	
470	OTHER SERVICE SUPPORT	1,901,165	1,896,080	1,901,165	-20,000	1,881,165
	Unjustified headquarters growth		[-5,085]		[-20,000]	
480	ARMY CLAIMS ACTIVITIES	198,765	198,765	183,765	-7,500	191,265
	Historical underexecution			[-15,000]	[-7,500]	
490	REAL ESTATE MANAGEMENT	226,248	226,248	226,248		226,248
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	315,489	310,489	315,489	-23,000	292,489
	Program decrease unaccounted for				[-23,000]	
510	INTERNATIONAL MILITARY HEADQUARTERS	427,254	427,254	427,254		427,254
520	MISC. SUPPORT OF OTHER NATIONS	43,248	43,248	43,248		43,248
565	CLASSIFIED PROGRAMS	1,347,053	1,347,053	1,347,053		1,347,053
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	9,643,258	9,621,173	9,600,258	-138,500	9,504,758
	UNDISTRIBUTED					
570	UNDISTRIBUTED		-110,000			
	Overestimation of civilian FTE targets		[-110,000]			
	SUBTOTAL UNDISTRIBUTED		-110,000			
	TOTAL OPERATION & MAINTENANCE, ARMY	42,012,484	40,165,499	41,830,024	-1,854,198	40,158,286

OPERATION & MAINTENANCE, ARMY RES						
OPERATING FORCES						
010	MODULAR SUPPORT BRIGADES	11,927	11,927	11,927	11,927	11,927
020	ECHELONS ABOVE BRIGADE	533,015	533,015	533,015	533,015	533,015
030	THEATER LEVEL ASSETS	119,517	119,517	118,101	119,517	118,101
	Insufficient justification			(-1,416)		
040	LAND FORCES OPERATIONS SUPPORT	550,468	550,468	548,268	550,468	543,468
	Insufficient justification			(-2,200)		
050	AVIATION ASSETS	86,670	86,670	85,170	86,670	85,170
	Unjustified growth			(-1,500)		
060	FORCE READINESS OPERATIONS SUPPORT	390,061	390,061	388,661	390,061	388,661
	Excess civilian increase			(-400)		
	Excess travel increase			(-1,000)		
070	LAND FORCES SYSTEMS READINESS	101,890	101,890	101,890	101,890	101,890
080	LAND FORCES DEPOT MAINTENANCE	48,503	48,503	48,503	48,503	48,503
090	BASE OPERATIONS SUPPORT	598,907	598,907	598,907	598,907	594,707
	Insufficient justification					(-4,200)
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	444,376	444,376	444,376	444,376	444,376
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS	22,095	22,095	22,095	22,095	22,095
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	3,288	3,288	3,288	3,288	3,288
130	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,655	7,655	7,655	7,655	7,655
	SUBTOTAL OPERATING FORCES	2,918,372	2,911,856	2,918,372	2,918,372	2,902,856
						-15,516
						(-4,200)
ADMIN & SRVWD ACTIVITIES						
UNDISTRIBUTED						
140	SERVICEWIDE TRANSPORTATION	14,533	14,533	14,533	14,533	14,533
150	ADMINISTRATION	17,231	17,231	17,231	17,231	17,231
160	SERVICEWIDE COMMUNICATIONS	14,304	14,304	14,304	14,304	14,304
170	MANPOWER MANAGEMENT	6,129	6,129	6,129	6,129	6,129
180	RECRUITING AND ADVERTISING	58,541	58,541	58,541	58,541	58,541
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	110,738	110,738	110,738	110,738	110,738

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
200	UNDISTRIBUTED				-25,000	-25,000
	Overestimation of civilian FTE targets				[-25,000]	
	SUBTOTAL UNDISTRIBUTED				-25,000	-25,000
	TOTAL OPERATION & MAINTENANCE, ARMY RES	3,029,110	3,022,594	3,029,110	-40,516	2,988,594
	OPERATION & MAINTENANCE, ARNG					
	UNDISTRIBUTED					
010	MANEUVER UNITS	805,671	797,671	805,671	-30,000	775,671
	Excess growth		[-8,000]		[-30,000]	
020	MODULAR SUPPORT BRIGADES	195,334	193,334	195,334	-2,000	193,334
	Excess growth		[-2,000]		[-2,000]	
030	ECHELONS ABOVE BRIGADE	771,048	770,548	771,048	-500	770,548
	Excess growth		[-500]		[-500]	
040	THEATER LEVEL ASSETS	94,726	91,826	94,726	-500	94,226
	Excess growth		[-2,900]		[-500]	
050	LAND FORCES OPERATIONS SUPPORT	33,696	33,696	33,696	1,489	35,185
	Program increase—advanced trauma training program				[1,489]	
060	AVIATION ASSETS	981,819	973,819	981,819	-8,000	973,819
	Insufficient justification		[-8,000]		[-8,000]	
070	FORCE READINESS OPERATIONS SUPPORT	743,206	743,206	743,206		743,206
080	LAND FORCES SYSTEMS READINESS	50,963	50,963	50,963		50,963
090	LAND FORCES DEPOT MAINTENANCE	258,278	249,778	258,278	-4,250	254,028
	Insufficient justification		[-8,500]		[-4,250]	
100	BASE OPERATIONS SUPPORT	1,153,076	1,121,576	1,153,076	-20,000	1,133,076
	Insufficient justification		[-31,500]		[-20,000]	
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,113,475	1,033,475	1,120,675		1,113,475

	Damage assessment			[7,200]		
	Insufficient justification					
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,001,042	[-80,000]	1,001,042	-14,000	987,042
	Insufficient justification					
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	8,448	[-14,000]	8,448		8,448
140	CYBERSPACE ACTIVITIES—CYBERSECURITY	7,768		7,768		7,768
	SUBTOTAL OPERATING FORCES	7,218,550	7,063,150	7,225,750	-77,761	7,140,789
210	UNDISTRIBUTED					-20,000
	Overestimation of civilian FTE targets					
	SUBTOTAL UNDISTRIBUTED				-20,000	-20,000
	ADMIN & SRVWD ACTIVITIES					
150	SERVICEWIDE TRANSPORTATION	9,890	9,890	9,890		9,890
160	ADMINISTRATION	71,070	71,070	71,070		71,070
170	SERVICEWIDE COMMUNICATIONS	68,213	68,213	68,213		62,213
	Program decrease unaccounted for					
180	MANPOWER MANAGEMENT	8,628	8,628	8,628		8,628
190	OTHER PERSONNEL SUPPORT	250,376	250,376	247,376		250,376
	Unjustified growth for marketing					
	Unjustified growth for recruiting					
200	REAL ESTATE MANAGEMENT	2,676	2,676	2,676		2,676
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	410,853	410,853	407,853	-6,000	404,853
	TOTAL OPERATION & MAINTENANCE, ARNG	7,629,403	7,474,003	7,633,603	-103,761	7,525,642
	OPERATION & MAINTENANCE, NAVY					
	OPERATING FORCES					
010	MISSION AND OTHER FLIGHT OPERATIONS	5,309,109	5,029,734	5,309,109		4,659,109
	Excess growth					
	Projected underexecution					
	Realignment to OCO					
020	FLEET AIR TRAINING	2,284,828	2,234,828	2,284,828		2,249,828

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
030	Projected underexecution		[-50,000]		[-35,000]	
040	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	59,299	59,299	59,299		59,299
050	AIR OPERATIONS AND SAFETY SUPPORT	155,896	155,896	155,896		155,896
060	AIR SYSTEMS SUPPORT	719,107	719,107	719,107		719,107
070	AIRCRAFT DEPOT MAINTENANCE	1,154,181	1,154,181	1,154,181		1,154,181
	AIRCRAFT DEPOT OPERATIONS SUPPORT	60,402	59,202	60,402	-1,200	59,202
	Excess growth		[-1,200]		[-1,200]	
080	AVIATION LOGISTICS	1,241,421	1,219,421	1,241,421	-22,000	1,219,421
	Projected underexecution		[-22,000]		[-22,000]	
090	MISSION AND OTHER SHIP OPERATIONS	4,097,262	3,596,262	4,097,262	-550,000	3,547,262
	Realignment to OCO		[-450,000]		[-450,000]	
	Unjustified growth		[-51,000]		[-100,000]	
100	SHIP OPERATIONS SUPPORT & TRAINING	1,031,792	1,029,792	1,031,792	-2,000	1,029,792
	Excess civilian growth		[-2,000]		[-2,000]	
110	SHIP DEPOT MAINTENANCE	8,061,298	8,895,298	8,875,298	653,000	8,714,298
	Program increase				[653,000]	
	Surface ship maintenance		[161,000]			
	UPL SSN and ship maintenance increase					
	USS Boise		[310,000]			
	USS Columbus		[57,000]			
	USS Hartford		[306,000]			
120	SHIP DEPOT OPERATIONS SUPPORT	2,073,641	2,066,141	2,073,641	-7,500	2,066,141
	Insufficient justification		[-7,500]		[-7,500]	
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	1,378,856	1,378,856	1,378,856		1,364,856
	Unjustified growth				[-14,000]	
140	SPACE SYSTEMS AND SURVEILLANCE	276,245	273,745	276,245	-2,500	273,745
	Unjustified growth		[-2,500]		[-2,500]	

150	WARFARE TACTICS	675,209	675,209	675,209	675,209
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	389,516	389,516	389,516	389,516
170	COMBAT SUPPORT FORCES	1,536,310	1,536,310	1,536,310	1,126,310
	Realignment to OCO			-410,000	
	Unjustified growth			[-400,000]	
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	161,579	161,579	161,579	161,579
190	COMBATANT COMMANDERS CORE OPERATIONS	59,521	59,521	59,521	59,521
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	93,978	93,978	93,978	98,978
	Posture site assessments INDOPACOM			5,000	
210	MILITARY INFORMATION SUPPORT OPERATIONS	8,641	8,641	8,641	8,641
220	CYBERSPACE ACTIVITIES	496,385	496,385	496,385	496,385
230	FLEET BALLISTIC MISSILE	1,423,339	1,423,339	1,423,339	1,423,339
240	WEAPONS MAINTENANCE	924,069	924,069	895,032	895,032
	Insufficient justification			[-29,037]	
250	OTHER WEAPON SYSTEMS SUPPORT	540,210	540,210	540,210	540,210
260	ENTERPRISE INFORMATION	1,131,627	1,131,627	1,081,627	1,111,627
	Unjustified growth			[-50,000]	
270	SUSTAINMENT, RESTORATION AND MODERNIZATION	3,029,634	3,029,634	2,929,634	3,029,634
	Unexecutable growth			[-100,000]	
280	BASE OPERATING SUPPORT	4,414,943	4,414,943	4,414,943	4,414,943
	Revised MHPI cost share			[18,840]	
	SUBTOTAL OPERATING FORCES	42,788,298	42,567,666	43,626,138	41,703,061
				-1,065,237	
MOBILIZATION					
290	SHIP PREPOSITIONING AND SURGE	942,902	942,902	942,902	942,902
	Realignment to NDSF (DoD mobilization alterations)			[-9,590]	
	Realignment to NDSF (LSMR maintenance)			[-264,751]	
300	READY RESERVE FORCE	352,044	352,044	352,044	352,044
	Realignment to NDSF			[-352,044]	
310	SHIP ACTIVATIONS/INACTIVATIONS	427,555	427,555	427,555	427,555
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS	137,597	137,597	40,730	137,597
	Realignment to NDSF (TAH maintenance)			[-96,867]	

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
330	COAST GUARD SUPPORT	24,604	24,604	24,604		24,604
	SUBTOTAL MOBILIZATION	1,884,702	1,161,450	1,884,702		1,884,702
	TRAINING AND RECRUITING					
340	OFFICER ACQUISITION	150,765	150,765	150,765		150,765
350	RECRUIT TRAINING	11,584	11,584	11,584		11,584
360	RESERVE OFFICERS TRAINING CORPS	159,133	159,133	159,133		159,133
370	SPECIALIZED SKILL TRAINING	911,316	891,316	911,316	-20,000	891,316
	Insufficient justification		[-20,000]			
380	PROFESSIONAL DEVELOPMENT EDUCATION	185,211	186,261	185,211	1,050	186,261
	Program increase: Sea Cadets		[1,050]			
390	TRAINING SUPPORT	267,224	267,224	267,224		267,224
400	RECRUITING AND ADVERTISING	209,252	209,252	189,252	-5,000	204,252
	Insufficient justification					
	Unjustified growth			[-20,000]		
410	OFF-DUTY AND VOLUNTARY EDUCATION	88,902	88,902	88,902		88,902
420	CIVILIAN EDUCATION AND TRAINING	67,492	67,492	67,492		67,492
430	JUNIOR ROTC	55,164	55,164	55,164		55,164
	SUBTOTAL TRAINING AND RECRUITING	2,106,043	2,087,093	2,086,043	-23,950	2,082,093
	ADMIN & SRVWD ACTIVITIES					
440	ADMINISTRATION	1,143,358	1,096,733	1,092,358	-40,000	1,103,358
	Excess civilian growth		[-14,375]			
	Insufficient justification—MHA Transfer		[-25,500]			
	Program decrease			[-1,000]		
	Unjustified audit growth			[-50,000]		
	Unjustified growth		[-6,750]			

450	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	178,342	175,342	178,342	175,342	178,342	175,342
	Excess civilian growth		[-3,000]		[-3,000]		[-3,000]
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,413	418,413	418,413	418,413	418,413	418,413
490	SERVICEWIDE TRANSPORTATION	157,465	157,465	157,465	157,465	157,465	157,465
510	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	485,397	485,397	485,397	485,397	485,397	485,397
	REPO		[5,000]		[5,000]		[5,000]
520	ACQUISITION, LOGISTICS, AND OVERSIGHT	654,137	654,137	654,137	654,137	654,137	647,137
	Unjustified growth						[-7,000]
530	INVESTIGATIVE AND SECURITY SERVICES	718,061	718,061	718,061	718,061	718,061	718,061
645	CLASSIFIED PROGRAMS	591,535	591,535	591,535	591,535	591,535	591,535
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,346,708	4,297,083	4,300,708	-45,000	4,301,708	4,301,708
	UNDISTRIBUTED						
650	UNDISTRIBUTED		-30,000		-20,000		-20,000
	Overestimation of civilian FTE targets		[-30,000]		[-20,000]		[-20,000]
	SUBTOTAL UNDISTRIBUTED		-30,000		-20,000		-20,000
	TOTAL OPERATION & MAINTENANCE, NAVY	51,125,751	50,083,312	51,897,591	-1,174,187	49,951,564	
	OPERATION & MAINTENANCE, MARINE CORPS						
	OPERATING FORCES						
010	OPERATIONAL FORCES	968,224	927,224	968,224	-241,000	727,224	727,224
	Excess civilian growth		[-1,000]		[-1,000]		[-1,000]
	Realignment to OCO				[-200,000]		[-200,000]
	Unjustified growth		[-40,000]		[-40,000]		[-40,000]
020	FIELD LOGISTICS	1,278,533	1,269,533	1,278,533	-214,000	1,064,533	1,064,533
	Excess civilian growth		[-2,000]		[-200,000]		[-200,000]
	Realignment to OCO				[-14,000]		[-14,000]
	Unjustified growth						
030	DEPOT MAINTENANCE	232,991	232,991	232,991		232,991	232,991
040	MARITIME PREPOSITIONING	100,396	100,396	100,396		100,396	100,396
050	CYBERSPACE ACTIVITIES	203,580	201,580	203,580		203,580	203,580

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
060	Excess civilian growth		[-2,000]			
	SUSTAINMENT, RESTORATION & MODERNIZATION	1,559,034	1,559,034	1,559,034		1,559,034
070	BASE OPERATING SUPPORT	2,253,776	2,213,776	2,253,776	-30,000	2,223,776
	Excess civilian growth		[-6,000]			
	Unjustified growth		[-34,000]		[-30,000]	
	SUBTOTAL OPERATING FORCES	6,596,534	6,504,534	6,596,534	-485,000	6,111,534
TRAINING AND RECRUITING						
080	RECRUIT TRAINING	21,240	21,240	21,240		21,240
090	OFFICER ACQUISITION	1,168	1,168	1,168		1,168
100	SPECIALIZED SKILL TRAINING	106,601	106,601	106,601		106,601
110	PROFESSIONAL DEVELOPMENT EDUCATION	49,095	49,095	49,095		49,095
120	TRAINING SUPPORT	407,315	403,715	407,315		407,315
	Excess civilian growth		[-1,300]			
	Unjustified growth		[-2,300]			
130	RECRUITING AND ADVERTISING	210,475	210,475	210,475		210,475
140	OFF-DUTY AND VOLUNTARY EDUCATION	42,810	42,810	42,810		42,810
150	JUNIOR ROTC	25,183	25,183	25,183		25,183
	SUBTOTAL TRAINING AND RECRUITING	863,887	860,287	863,887		863,887
ADMIN & SRVWD ACTIVITIES						
160	SERVICEWIDE TRANSPORTATION	29,894	29,894	29,894		29,894
170	ADMINISTRATION	384,352	383,002	384,352		384,352
	Excess civilian growth		[-750]			
	Unjustified growth		[-600]			
225	CLASSIFIED PROGRAMS	52,057	52,057	52,057		52,057
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	466,303	464,953	466,303		466,303

	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	7,926,724	7,829,774	7,926,724	-485,000	7,441,724
	OPERATION & MAINTENANCE, NAVY RES					
	OPERATING FORCES					
010	MISSION AND OTHER FLIGHT OPERATIONS	654,220	639,220	654,220	-25,000	629,220
	Unjustified growth		[-15,000]		[-25,000]	
020	INTERMEDIATE MAINTENANCE	8,767	8,767	8,767		8,767
030	AIRCRAFT DEPOT MAINTENANCE	108,236	108,236	108,236		108,236
040	AIRCRAFT DEPOT OPERATIONS SUPPORT	463	463	463		463
050	AVIATION LOGISTICS	26,014	26,014	26,014		26,014
060	SHIP OPERATIONS SUPPORT & TRAINING	583	583	583		583
070	COMBAT COMMUNICATIONS	17,883	17,883	17,883		17,883
080	COMBAT SUPPORT FORCES	128,079	128,079	128,079		128,079
090	CYBERSPACE ACTIVITIES	356	356	356		356
100	ENTERPRISE INFORMATION	26,133	26,133	26,133		26,133
110	SUSTAINMENT, RESTORATION AND MODERNIZATION	35,397	35,397	35,397		35,397
120	BASE OPERATING SUPPORT	101,376	101,376	101,376		101,376
	SUBTOTAL OPERATING FORCES	1,107,507	1,092,507	1,107,507	-25,000	1,082,507
	ADMIN & SRVWD ACTIVITIES					
130	ADMINISTRATION	1,888	1,888	1,888		1,888
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,778	12,778	12,778		12,778
150	ACQUISITION AND PROGRAM MANAGEMENT	2,943	2,943	2,943		2,943
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	17,609	17,609	17,609		17,609
	TOTAL OPERATION & MAINTENANCE, NAVY RES	1,125,116	1,110,116	1,125,116	-25,000	1,100,116
	OPERATION & MAINTENANCE, MC RESERVE					
	OPERATING FORCES					
010	OPERATING FORCES	106,484	106,484	106,484		106,484
020	DEPOT MAINTENANCE	18,429	18,429	18,429		18,429

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
030	SUSTAINMENT, RESTORATION AND MODERNIZATION	47,516	47,516	47,516		47,516
040	BASE OPERATING SUPPORT	106,073	106,073	106,073		106,073
	SUBTOTAL OPERATING FORCES	278,502	278,502	278,502		278,502
	ADMIN & SRVWD ACTIVITIES					
050	ADMINISTRATION	13,574	13,574	13,574		13,574
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	13,574	13,574	13,574		13,574
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	292,076	292,076	292,076		292,076
	OPERATION & MAINTENANCE, AIR FORCE					
	OPERATING FORCES					
010	PRIMARY COMBAT FORCES	729,127	727,477	729,127		729,127
	Excess travel costs		[-1,650]			
020	COMBAT ENHANCEMENT FORCES	1,318,770	1,318,770	1,318,770	-400,000	918,770
	Realignment to OCO				[-400,000]	
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,486,790	1,446,790	1,486,790	-40,000	1,446,790
	Unjustified growth		[-40,000]			
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,334,792	3,534,792	3,334,792	-35,000	3,299,792
	Readiness restoration		[200,000]			
	Unjustified growth				[-35,000]	
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	4,142,435	4,142,435	4,142,435		4,142,435
060	CYBERSPACE SUSTAINMENT	228,811	228,811	228,811		228,811
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	8,329,364	8,438,364	8,329,364	18,000	8,347,364
	Expansion of Conditions Based Maintenance Plus (CBM+)		[18,000]			
	Readiness restoration		[91,000]			
080	FLYING HOUR PROGRAM	4,048,773	3,498,773	4,048,773	-630,000	3,418,773

090	Realignment to OCO							
	Unjustified growth	7,223,982	7,073,982	7,223,982				
	BASE OPERATIONS SUPPORT							
	Insufficient justification							
	Realignment to OCO							
100	GLOBAL C3I AND EARLY WARNING	964,553	964,553	964,553				
110	OTHER COMBAT OPS SPT PROGRAMS	1,032,307	1,026,161	1,032,307				
	Unjustified growth							
120	CYBERSPACE ACTIVITIES	670,076	670,076	670,076				
140	LAUNCH FACILITIES	179,980	179,980	179,980				
150	SPACE CONTROL SYSTEMS	467,990	464,490	467,990				
	Insufficient justification							
160	US NORTHCOM/NORAD	184,655	184,655	184,655				
170	US STRATCOM	478,357	478,357	478,357				
180	US CYBERCOM	323,121	323,121	347,921				
	Accelerate development of Cyber National Mission Force capabilities							
	Cyber National Mission Force mobile & modular hunt forward kit							
	ETERNALDARKNESS							
190	US CENTCOM	160,989	160,989	160,989				
200	US SOCOM	6,225	6,225	6,225				
210	US TRANSCOM	544	544	544				
220	CENTCOM CYBERSPACE SUSTAINMENT	2,073	2,073	2,073				
230	USSPACECOM	70,588	70,588	70,588				
235	CLASSIFIED PROGRAMS	1,322,944	1,322,944	1,322,944				
	Unjustified increase							
	SUBTOTAL OPERATING FORCES	36,707,246	36,264,950	36,732,046				
	MOBILIZATION							
240	AIRLIFT OPERATIONS	1,158,142	1,151,342	1,158,142				
	Unjustified growth							
250	MOBILIZATION PREPAREDNESS	138,672	130,172	138,672				
	Unjustified growth							
	SUBTOTAL OPERATING FORCES	36,707,246	36,264,950	36,732,046				
	MOBILIZATION							
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	MOBILIZATION							
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	Unjustified growth							
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	Unjustified growth							
	SUBTOTAL OPERATING FORCES	3						

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	SUBTOTAL MOBILIZATION	1,296,814	1,281,514	1,296,814	-8,500	1,288,314
	TRAINING AND RECRUITING					
260	OFFICER ACQUISITION	130,835	130,835	130,835		130,835
270	RECRUIT TRAINING	26,021	26,021	26,021		26,021
280	RESERVE OFFICERS TRAINING CORPS (ROTC)	121,391	121,391	121,391		121,391
290	SPECIALIZED SKILL TRAINING	454,539	449,539	454,539	-40,000	414,539
	Insufficient justification		[-5,000]			
	Unjustified growth				[-40,000]	
300	FLIGHT TRAINING	600,565	600,565	600,565		600,565
310	PROFESSIONAL DEVELOPMENT EDUCATION	282,788	282,788	282,788		282,788
320	TRAINING SUPPORT	123,988	119,988	123,988	-10,000	113,988
	Unjustified growth		[-4,000]			
330	RECRUITING AND ADVERTISING	167,731	167,731	161,731	-5,000	162,731
	Unjustified growth			[-6,000]		
340	EXAMINING	4,576	4,576	4,576		4,576
350	OFF-DUTY AND VOLUNTARY EDUCATION	211,911	211,911	211,911		211,911
360	CIVILIAN EDUCATION AND TRAINING	219,021	219,021	219,021		219,021
370	JUNIOR ROTC	62,092	62,092	62,092		62,092
	SUBTOTAL TRAINING AND RECRUITING	2,405,458	2,396,458	2,399,458	-55,000	2,350,458
	ADMIN & SRWD ACTIVITIES					
	UNDISTRIBUTED					
380	LOGISTICS OPERATIONS	664,926	664,926	664,926		664,926
390	TECHNICAL SUPPORT ACTIVITIES	101,483	101,483	101,483		101,483
400	ADMINISTRATION	892,480	892,480	892,480		892,480
410	SERVICEWIDE COMMUNICATIONS	152,532	152,532	152,532	-30,000	122,532

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
060	BASE SUPPORT	414,626	414,626	414,626		414,626
070	CYBERSPACE ACTIVITIES	1,673	1,673	1,673		1,673
	SUBTOTAL OPERATING FORCES	3,286,855	3,229,230	3,286,855	-40,500	3,246,355
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES					
	UNDISTRIBUTED					
080	ADMINISTRATION	69,436	69,436	69,436		69,436
090	RECRUITING AND ADVERTISING	22,124	22,124	22,124		22,124
100	MILITARY MANPOWER AND PERS MGMT (ARPC)	10,946	10,946	10,946		10,946
110	OTHER PERS SUPPORT (DISABILITY COMP)	7,009	7,009	7,009		7,009
120	AUDIOVISUAL	448	448	448		448
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	109,963	109,963	109,963		109,963
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	3,396,818	3,339,193	3,396,818	-40,500	3,356,318
	OPERATION & MAINTENANCE, ANG					
	OPERATING FORCES					
010	AIRCRAFT OPERATIONS	2,497,967	2,414,000	2,497,967	-25,000	2,472,967
	Delay in KC-46 aircraft delivery		[-5,267]		[-25,000]	
	Insufficient justification		[-78,700]			
020	MISSION SUPPORT OPERATIONS	600,377	585,377	600,377	-15,000	585,377
	Insufficient justification		[-15,000]		[-15,000]	
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	879,467	872,467	879,467		879,467
	Excess growth		[-7,000]			
040	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	400,734	395,134	400,734		400,734
	Insufficient justification		[-5,600]			
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,299,089	1,290,089	1,299,089		1,299,089

060	Excess growth								
	BASE SUPPORT	911,775	[−9,000]	911,775	911,775				911,775
	Insufficient justification		[−10,000]						
070	CYBERSPACE SUSTAINMENT	24,742		24,742	24,742				24,742
080	CYBERSPACE ACTIVITIES	25,507		25,507	25,507				25,507
	SUBTOTAL OPERATING FORCES	6,639,658	6,509,091	6,639,658	6,509,658	−40,000			6,599,658
	ADMINISTRATION AND SERVICE-WIDE ACTIVITIES								
	UNDISTRIBUTED								
090	ADMINISTRATION	47,215	47,215	47,215	47,215				47,215
100	RECRUITING AND ADVERTISING	40,356	40,356	40,356	40,356				40,356
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	87,571	87,571	87,571	87,571				87,571
110	UNDISTRIBUTED							−30,000	−30,000
	Maintain program affordability: Overestimation of civilian FTE targets							[−30,000]	
	SUBTOTAL UNDISTRIBUTED							−30,000	−30,000
	TOTAL OPERATION & MAINTENANCE, ANG	6,727,229	6,596,662	6,727,229	6,727,229	−70,000			6,657,229
	OPERATION AND MAINTENANCE, DEFENSE-WIDE								
	OPERATING FORCES								
010	JOINT CHIEFS OF STAFF	409,542	409,542	409,542	409,542			−17,000	392,542
	Program decrease unaccounted for							[−12,000]	
	Remove one-time fiscal year 2019 costs							[−5,000]	
020	JOINT CHIEFS OF STAFF—CE2T2	579,179	579,179	579,179	579,179				579,179
030	JOINT CHIEFS OF STAFF—CYBER	24,598	24,598	24,598	24,598				24,598
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	1,075,762	1,075,762	1,075,762	1,075,762			−5,500	1,070,262
	Classified adjustment							[−5,500]	
050	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES	14,409	14,409	14,409	14,409				14,409
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE	501,747	486,747	501,747	486,747			−14,794	486,953
	DCGS—SOF - excess to need							[−5,794]	
	Program decrease—SOCRATES							[−9,000]	
	Unjustified growth—DCGS							[−6,000]	

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
070	SPECIAL OPERATIONS COMMAND MAINTENANCE	559,300	544,300	559,300	-15,000	544,300
	Projected underexecution		[-15,000]		[-15,000]	
080	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	177,928	167,928	177,928		177,928
	Program decrease		[-10,000]			
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	925,262	889,262	925,262	-25,500	899,762
	Base support underexecution		[-6,000]		[-5,900]	
	Operational support underexecution		[-10,000]		[-9,600]	
	Program decrease		[-10,000]			
	Unjustified growth—C4IAS Saas		[-10,000]			
100	SPECIAL OPERATIONS COMMAND THEATER FORCES	2,764,738	2,709,738	2,764,738	[-10,000]	2,250,038
	Program decrease		[-70,000]		[-14,700]	
	Program increase—suicide prevention		[15,000]			
	Realignment to OCO					
	SUBTOTAL OPERATING FORCES	7,032,465	6,901,465	7,032,465	[-500,000]	6,439,971
	TRAINING AND RECRUITING					
120	DEFENSE ACQUISITION UNIVERSITY	180,250	180,250	180,250		180,250
130	JOINT CHIEFS OF STAFF	100,610	100,610	100,610		100,610
140	PROFESSIONAL DEVELOPMENT EDUCATION	33,967	33,967	33,967		33,967
	SUBTOTAL TRAINING AND RECRUITING	314,827	314,827	314,827		314,827
	ADMIN & SRWIDE ACTIVITIES					
160	CIVIL MILITARY PROGRAMS	165,707	245,707	195,007	94,300	260,007
	IRT increase			[14,300]	[14,300]	
	National Guard Youth Challenge Program support		[50,000]		[50,000]	
	Program increase—STARBASE		[30,000]		[30,000]	
	Starbase			[15,000]		

180	DEFENSE CONTRACT AUDIT AGENCY	627,467	627,467	627,467	627,467
190	DEFENSE CONTRACT AUDIT AGENCY—CYBER	3,362	3,362	3,362	3,362
200	DEFENSE CONTRACT MANAGEMENT AGENCY	1,438,068	1,413,068	1,438,068	1,418,068
	Program decrease		[-25,000]		[-20,000]
210	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER	24,391	24,391	24,391	24,391
220	DEFENSE HUMAN RESOURCES ACTIVITY	892,438	911,842	892,438	882,438
	Chinese language and culture studies within the Defense Language and Na- tional Security Education Office		[13,404]		
	Defense Manpower Data Center—Excess Growth				[-5,000]
	Enterprise Operations Center—Excess Growth				[-5,000]
	Program increase—national flagship language initiative		[6,000]		
230	DEFENSE INFORMATION SYSTEMS AGENCY	2,012,885	2,028,022	2,007,885	1,992,885
	MITCloud				[-20,000]
	Realignment for Sharkseer		[35,137]		
	Unjustified growth		[-20,000]		
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	601,223	601,223	636,360	636,360
	Sharkseer transfer			[35,137]	
270	DEFENSE LEGAL SERVICES AGENCY	34,632	34,632	34,632	34,632
280	DEFENSE LOGISTICS AGENCY	415,699	430,199	415,699	435,199
	Excess growth		[-5,000]		19,500
	Program increase—PTAP		[19,500]		[19,500]
290	DEFENSE MEDIA ACTIVITY	202,792	196,792	202,792	202,792
	Program decrease		[-6,000]		
300	DEFENSE PERSONNEL ACCOUNTING AGENCY	144,881	144,881	144,881	144,881
310	DEFENSE SECURITY COOPERATION AGENCY	696,884	667,884	696,884	666,884
	Assessment, monitoring, and evaluation				[-30,000]
	Security cooperation account				[11,000]
	Unjustified growth		[-29,000]		[-11,000]
320	DEFENSE SECURITY SERVICE	889,664	894,871	889,664	889,664
	Advanced cyber threat detection sensors, hunt and response mechanisms, and commercial cyber threat intelligence				[-30,000]
	Consolidated Adjudication Facility		[5,207]		

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
340	DEFENSE SECURITY SERVICE—CYBER	9,220	9,220	9,220		9,220
360	DEFENSE TECHNICAL INFORMATION CENTER	3,000	3,000	3,000		3,000
370	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION	35,626	35,626	35,626		35,626
380	DEFENSE THREAT REDUCTION AGENCY	568,133	568,133	568,133		568,133
400	DEFENSE THREAT REDUCTION AGENCY—CYBER	13,339	13,339	13,339		13,339
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,932,226	2,992,226	2,982,226	-20,000	2,912,226
	Impact aid for children with severe disabilities		[10,000]			
	Impact aid for schools with military dependent students		[40,000]			
	Remove one-time fiscal year 2019 increase				[-50,000]	
	Overestimation of civilian FTE targets				[-20,000]	
	Program increase—impact aid for children with severe disabilities		[10,000]		[10,000]	
	Program increase—impact aid to schools with military dependents		[40,000]		[40,000]	
	Program increase—support to local educational agencies that serve military communities and families		[10,000]			
420	MISSILE DEFENSE AGENCY	522,529	522,529	422,729	-12,670	509,859
	THAAD prior year under-execution				[-12,670]	
450	THAAD Program Transfer to Army	59,513	114,913	[-99,800]	75,000	134,513
	OFFICE OF ECONOMIC ADJUSTMENT		[400]	59,513		
	Civilian growth		[50,000]		[75,000]	
	Defense Community Infrastructure Program (DCIP)		[5,000]			
	Program increase—military aviation noise pilot program					
460	OFFICE OF THE SECRETARY OF DEFENSE	1,604,738	1,491,476	1,678,738	21,000	1,625,738
	Basic Needs Allowance for low-income regular members		[15,000]			
	Bien Hoa dioxin cleanup			[15,000]	[15,000]	
	CDC study			[10,000]	[10,000]	
	Commission on Synthetic Opioid Trafficking		[5,000]			
	Emerging contaminants			[1,000]	[1,000]	

SEC. 4301. OPERATION AND MAINTENANCE
(In Thousands of Dollars)

Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES					
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	14,771	14,771	14,771		14,771
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	14,771	14,771	14,771		14,771
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	14,771	14,771	14,771		14,771
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND					
	ACQUISITION WORKFORCE DEVELOPMENT					
010	ACO WORKFORCE DEV FD	400,000	375,000	400,000		400,000
	Program decrease		[-25,000]			
	SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT	400,000	375,000	400,000		400,000
	TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	400,000	375,000	400,000		400,000
	OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID					
	HUMANITARIAN ASSISTANCE					
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID	108,600	110,800	108,600	9,063	117,663
	Increase for foreign disaster relief				[6,822]	
	Increase for humanitarian mine action program		[2,200]		[2,241]	
	SUBTOTAL HUMANITARIAN ASSISTANCE	108,600	110,800	108,600	9,063	117,663
	TOTAL OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	108,600	110,800	108,600	9,063	117,663
	COOPERATIVE THREAT REDUCTION ACCOUNT					
	COOPERATIVE THREAT REDUCTION					

010	COOPERATIVE THREAT REDUCTION	338,700	358,700	338,700	20,000	358,700
	Cooperative biological engagement		[20,000]		[20,000]	
	SUBTOTAL COOPERATIVE THREAT REDUCTION	338,700	358,700	338,700	20,000	358,700
	TOTAL COOPERATIVE THREAT REDUCTION ACCOUNT	338,700	358,700	338,700	20,000	358,700
	ENVIRONMENTAL RESTORATION, ARMY					
	DEPARTMENT OF THE ARMY					
050	ENVIRONMENTAL RESTORATION, ARMY	207,518	235,809	207,518	5,000	212,518
	Perfluorinated chemicals		[28,291]		[5,000]	
	SUBTOTAL DEPARTMENT OF THE ARMY	207,518	235,809	207,518	5,000	212,518
	TOTAL ENVIRONMENTAL RESTORATION, ARMY	207,518	353,721	207,518	83,064	290,582
	ENVIRONMENTAL RESTORATION, NAVY					
	DEPARTMENT OF THE NAVY					
060	ENVIRONMENTAL RESTORATION, NAVY	335,932	375,883	335,932	15,000	350,932
	Closed detonation chambers		[10,000]			
	Perfluorinated chemicals		[29,951]		[5,000]	
	Unexploded ordnance remediation				[10,000]	
	SUBTOTAL DEPARTMENT OF THE NAVY	335,932	375,883	335,932	15,000	350,932
	TOTAL ENVIRONMENTAL RESTORATION, NAVY	335,932	482,135	335,932	83,064	418,996
	ENVIRONMENTAL RESTORATION, AIR FORCE					
	DEPARTMENT OF THE AIR FORCE					
070	ENVIRONMENTAL RESTORATION, AIR FORCE	302,744	365,808	302,744	63,064	365,808
	Perfluorinated chemicals		[63,064]		[63,064]	
	SUBTOTAL DEPARTMENT OF THE AIR FORCE	302,744	365,808	302,744	63,064	365,808
	TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	302,744	448,947	302,744	83,064	385,808
080	ENVIRONMENTAL RESTORATION, DEFENSE-WIDE					
	ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	9,105	24,002	9,105		9,105

SEC. 4301. OPERATION AND MAINTENANCE (In Thousands of Dollars)						
Line	Item	FY 2020 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	Detection of perfluorinated compounds		[5,000]			
	Perfluorinated chemicals		[9,897]			
	SUBTOTAL DEFENSE-WIDE	9,105	24,002	9,105		9,105
	TOTAL ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	9,105	155,308	9,105	83,064	92,169
	ENVIRONMENTAL RESTORATION FORMERLY USED SITES DEFENSE-WIDE					
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	216,499	216,499	216,499		216,499
	SUBTOTAL DEFENSE-WIDE	216,499	216,499	216,499		216,499
	TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES	216,499	216,499	216,499		216,499
	TOTAL OPERATION & MAINTENANCE	207,661,689	203,963,215	208,471,343	-6,050,745	201,610,944