

TITLE III—OPERATION AND MAINTENANCE

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Subtitle A—Authorization of Appropriations

SEC. 301. AUTHORIZATION OF APPROPRIATIONS.

Funds are hereby authorized to be appropriated for fiscal year 2019 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. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PROGRAM.

(a) IN GENERAL.—Chapter 136 of title 10, United States Code, as amended by section 851, is further amended by inserting after section 2283, as added by such section 851, the following new section:

“SEC. 2284. EXPLOSIVE ORDNANCE DISPOSAL DEFENSE PROGRAM.

“(a) IN GENERAL.—The Secretary of Defense shall carry out a program to be known as the ‘Explosive Ordnance Disposal Defense Program’ (in this section referred to as the ‘Program’) under which the Secretary shall ensure close and continuous coordination between military departments on matters relating to explosive ordnance disposal support for commanders of geographic and functional combatant commands.

“(b) ROLES, RESPONSIBILITIES, AND AUTHORITIES.—The plan under subsection (a) shall include provisions under which—

“(1) the Secretary of Defense shall—

“(A) assign the responsibility for the direction, coordination, integration of the Program within the Department of Defense to an Assistant Secretary of Defense;

“(B) the Assistant Secretary of Defense to whom responsibility is assigned under paragraph (1) shall serve as the key individual for the Program responsible for developing and overseeing policy, plans, programs, and budgets, and issuing guidance and providing direction on Department of Defense explosive ordnance disposal activities;

“(C) designate the Secretary of the Navy, or a designee of the Secretary’s choice, as the executive agent for the Department of Defense responsible for providing oversight of the joint program executive officer who coordinates and integrates joint requirements for explosive ordnance disposal and carries out joint research, development, test, and evaluation and procurement activities on behalf of the military

departments and combatant commands with respect to explosive ordnance disposal;

“(D) designate a combat support agency to exercise fund management responsibility of the Department of Defense-wide program element for explosive ordnance disposal research, development, test, and evaluation, transactions other than contracts, cooperative agreements, and grants related to section 2371 of this title during research projects including rapid prototyping and limited procurement urgent activities, and acquisition; and

“(E) designate an Army explosive ordnance disposal-qualified general officer from the combat support agency designated under subparagraph (D) to serve as the Chairman of the Department of Defense explosive ordnance disposal defense program board; and

“(2) the Secretary of each military department shall assess the needs of the military department concerned with respect to explosive ordnance disposal and may carry out research, development, test, and evaluation activities, including other transactions and procurement activities to address military department unique needs such as weapon systems, manned and unmanned vehicles and platforms, cyber and communication equipment, and the integration of explosive ordnance disposal sets, kits and outfits and explosive ordnance disposal tools, equipment, sets, kits, and outfits developed by the department.

“(c) ANNUAL BUDGET JUSTIFICATION DOCUMENTS.—

“(1) For fiscal year 2021 and each fiscal year thereafter, the Secretary of Defense shall submit to Congress with the defense budget materials a consolidated budget justification display, in classified and unclassified form, that includes all of activities of the Department of Defense relating to the Program.

“(2) The budget display under paragraph (1) for a fiscal year shall include a single program element for each of the following:

“(A) Civilian and military pay.

“(B) Research, development, test, and evaluation.

“(C) Procurement.

“(D) Other transaction agreements.

“(E) Military construction.

“(3) The budget display shall include funding data for each of the military department’s respective activities related to explosive ordnance disposal, including—

“(A) operation and maintenance; and

“(B) overseas contingency operations.”.

(b) CLERICAL AMENDMENT.—The table of sections at the beginning of such chapter, as amended by section 851, is further amended by inserting after the item relating to section 2283, as added by such section 851, the following new section:

“2284. Explosive Ordnance Disposal Defense Program.”.

SEC. 312. FURTHER IMPROVEMENTS TO ENERGY SECURITY AND RESILIENCE.

(a) ENERGY POLICY AUTHORITY.—Section 2911(b) of title 10, United States Code, is amended—

(1) by redesignating paragraphs (1), (2), and (3) as paragraphs (3), (4), and (5), respectively; and

(2) by inserting before paragraph (3), as so redesignated, the following new paragraphs:

“(1) establish metrics and standards for the assessment of energy resilience;

“(2) require the Secretary of a military department to perform mission assurance and readiness assessments of energy power systems for mission critical assets and supporting infrastructure, applying uniform mission standards established by the Secretary of Defense;”.

(b) REPORTING ON ENERGY SECURITY AND RESILIENCE GOALS.—Section 2911(c) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(3) The Secretary of Defense shall include the energy security and resilience goals of the Department of Defense in the installation energy report submitted under section 2925(a) of this title for fiscal year 2018 and every fiscal year thereafter. In the development of energy security and resilience goals, the Department of Defense shall conform with the definitions of energy security and resilience under this title. The report shall include the amount of critical energy load, together with the level of availability and reliability by fiscal year the Department of Defense deems necessary to achieve energy security and resilience.”.

(c) REPORTING ON INSTALLATIONS ENERGY MANAGEMENT, ENERGY RESILIENCE, AND MISSION ASSURANCE.—Section 2925(a) of title 10, United States Code, is amended—

(1) by inserting “, including progress on energy resilience at military installations according to metrics developed by the Secretary” after “under section 2911 of this title”;

(2) in paragraph (3), by striking “the mission requirements associated with disruption tolerances based on risk to mission” and inserting “the downtimes (in minutes or hours) these missions can afford based on their mission requirements and risk tolerances”;

(3) in paragraph (4), by inserting “(including critical energy loads in megawatts and the associated downtime tolerances for critical energy loads)” after “energy requirements and critical energy requirements”;

(4) by redesignating paragraph (5) as paragraph (7); and

(5) by inserting after paragraph (4) the following new paragraphs:

“(5) A list of energy resilience projects awarded by the Department of Defense by military department and military installation, whether appropriated or alternative financed for the reporting fiscal year, including project description, award date, the critical energy requirements serviced (including critical energy loads in megawatts), expected reliability of the project (as indicated in the awarded contract), life cycle costs, savings to investment, fuel type, and the type of appropriation or alternative financing used.

“(6) A list of energy resilience projects planned by the Department of Defense by military department and military installation, whether appropriated or alternative financed for the next two fiscal years, including project description, fuel type, expected award date, and the type of appropriation or alternative financing expected for use.”.

(d) **INCLUSION OF ENERGY SECURITY AND RESILIENCE AS PRIORITIES IN CONTRACTS FOR ENERGY OR FUEL FOR MILITARY INSTALLATIONS.**—Section 2922a(d) of title 10, United States Code, is amended to read as follows:

“(d) The Secretary concerned shall ensure energy security and resilience are prioritized and included in the provision and operation of energy production facilities under this section.”.

(e) **CONVEYANCE AUTHORITY FOR UTILITY SYSTEMS.**—Section 2688 of title 10, United States Code, is amended—

(1) in subsection (d)(2), by adding at the end the following: “The business case analysis must also demonstrate how a privatized system will operate in a manner consistent with subsection (g)(3).”; and

(2) in subsection (g)(3)—

(A) by striking “may require” and inserting “shall require”; and

(B) by striking “consistent with energy resilience requirements and metrics” and inserting “consistent with energy resilience and cybersecurity requirements and associated metrics”.

(f) **MODIFICATION OF ENERGY RESILIENCE DEFINITION.**—Section 101(e)(6) of title 10, United States Code, is amended by striking “task critical assets and other”.

(g) **AUTHORITY TO ACCEPT ENERGY PERFORMANCE FINANCIAL INCENTIVES FROM STATE AND LOCAL GOVERNMENTS.**—Section 2913(c) of title 10, United States Code, is amended by inserting “a State or local government” after “generally available from”.

(h) **USE OF ENERGY COST SAVINGS TO IMPLEMENT ENERGY RESILIENCE AND ENERGY CONSERVATION CONSTRUCTION PROJECTS.**—Section 2912(b)(1) of title 10, United States Code, is amended by inserting “, including energy resilience and energy conservation construction projects,” after “energy security measures”.

(i) **ADDITIONAL BASIS FOR PRESERVATION OF PROPERTY IN THE VICINITY OF MILITARY INSTALLATIONS IN AGREEMENTS WITH NON-FEDERAL ENTITIES ON USE OF SUCH PROPERTY.**—Section 2684a(a)(2)(B) of title 10, United States Code, is amended—

(1) by striking “(B)” and inserting “(B)(i)”; and

(2) by adding at the end of the following new clause:

“(i) maintains or improves military installation resilience; or”.

SEC. 313. USE OF PROCEEDS FROM SALES OF ELECTRICAL ENERGY DERIVED FROM GEOTHERMAL RESOURCES FOR PROJECTS AT MILITARY INSTALLATIONS WHERE RESOURCES ARE LOCATED.

Subsection (b) of section 2916 of title 10, United States Code, is amended—

(1) in paragraph (1), by striking “Proceeds” and inserting “Except as provided in paragraph (3), proceeds”; and

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

“(3) In the case of proceeds from a sale of electrical energy generated from any geothermal energy resource—

“(A) 50 percent shall be credited to the appropriation account described in paragraph (1); and

“(B) 50 percent shall be deposited in a special account in the Treasury established by the Secretary concerned which shall

be available, for military construction projects described in paragraph (2) or for installation energy or water security projects directly coordinated with local area energy or ground-water governing authorities, for the military installation in which the geothermal energy resource is located.”.

SEC. 314. OPERATIONAL ENERGY POLICY.

(a) *IN GENERAL.*—Section 2926 of title 10, United States Code, is amended—

(1) by redesignating subsections (a), (b), (c), and (d) as subsections (c), (d), (e), (f), respectively;

(2) by inserting before subsection (c), as redesignated by paragraph (1), the following new subsections:

“(a) *OPERATIONAL ENERGY POLICY.*—In carrying out section 2911(a) of this title, the Secretary of Defense shall ensure the types, availability, and use of operational energy promote the readiness of the armed forces for their military missions.

“(b) *AUTHORITIES.*—The Secretary of Defense may—

“(1) require the Secretary of a military department or the commander of a combatant command to assess the energy supportability of systems, capabilities, and plans;

“(2) authorize the use of energy security, cost of backup power, and energy resilience as factors in the cost-benefit analysis for procurement of operational equipment; and

“(3) in selecting equipment that will use operational energy, give favorable consideration to the acquisition of equipment that enhances energy security, energy resilience, energy conservation, and reduces logistical vulnerabilities.”; and

(3) in subsection (c), as redesignated by subparagraph (A)—

(A) in the subsection heading, by striking “*ALTERNATIVE FUEL ACTIVITIES*” and inserting “*FUNCTIONS OF THE ASSISTANT SECRETARY OF DEFENSE FOR ENERGY, INSTALLATIONS, AND ENVIRONMENT*”;

(B) by striking “heads of the military departments and the Assistant Secretary of Defense for Research and Engineering” and inserting “heads of the appropriate Department of Defense components”;

(C) in paragraph (1), by striking “lead the alternative fuel activities” and inserting “oversee the operational energy activities”;

(D) in paragraph (2), by striking “regarding the development of alternative fuels by the military departments and the Office of the Secretary of Defense” and inserting “regarding the policies and investments that affect the use of operational energy across the Department of Defense”;

(E) in paragraph (3), by striking “prescribe policy to streamline the investments in alternative fuel activities across the Department of Defense” and inserting “recommend to the Secretary policy to improve warfighting capability through energy security and energy resilience”; and

(F) in paragraph (5), by striking “subsection (c)(4)” and inserting “subsection (e)(4)”.

(b) *CONFORMING AMENDMENTS.*—(1) Section 2925(b)(1) of title 10, United States Code, is amended by striking “section 2926(b)” and inserting “section 2926(d)”.

(2) Section 1061(c)(55) of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 10 U.S.C. 111 note) is amended by striking “Section 2926(c)(4)” and inserting “Section 2926(e)(4)”.

SEC. 315. FUNDING OF STUDY AND ASSESSMENT OF HEALTH IMPLICATIONS OF PER- AND POLYFLUOROALKYL SUBSTANCES CONTAMINATION IN DRINKING WATER BY AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY.

(a) FUNDING.—Paragraph (2) of section 316(a) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91) is amended to read as follows:

“(2) FUNDING.—

“(A) SOURCE OF FUNDS.—The study and assessment performed pursuant to this section may be paid for using funds authorized to be appropriated to the Department of Defense under the heading ‘Operation and Maintenance, Defense-Wide’.

“(B) TRANSFER AUTHORITY.—(i) Of the amounts authorized to be appropriated for the Department of Defense for fiscal year 2018, not more than \$10,000,000 shall be transferred by the Secretary of Defense, without regard to section 2215 of title 10, United States Code, to the Secretary of Health and Human Services to pay for the study and assessment required by this section.

“(ii) Without regard to section 2215 of title 10, United States Code, the Secretary of Defense may transfer not more than \$10,000,000 a year during fiscal years 2019 and 2020 to the Secretary of Health and Human Services to pay for the study and assessment required by this section.

“(C) EXPENDITURE AUTHORITY.—Amounts transferred to the Secretary of Health and Human Services shall be used to carry out the study and assessment under this section through contracts, cooperative agreements, or grants. In addition, such funds may be transferred by the Secretary of Health and Human Services to other accounts of the Department for the purposes of carrying out this section.

“(D) RELATIONSHIP TO OTHER TRANSFER AUTHORITIES.—The transfer authority provided under this paragraph is in addition to any other transfer authority available to the Department of Defense.”.

(b) REPORT TO CONGRESS ON DEPARTMENT OF DEFENSE ASSESSMENT AND REMEDIATION PLAN.—Not later than 180 days after the date on which the Administrator of the Environmental Protection Agency establishes a maximum contaminant level for per- and polyfluoroalkyl substances (PFAS) contamination in drinking water in a national primary drinking water regulation under section 1412 of the Safe Drinking Water Act (42 U.S.C. 300g-1), the Secretary of Defense shall submit to the congressional defense committees a report containing a plan to—

(1) assess any contamination at Department of Defense installations and surrounding communities that may have occurred from PFAS usage by the Department of Defense;

(2) identify any remediation actions the Department plans to undertake using the maximum contaminant level established by the Environmental Protection Agency;

(3) provide an estimate of the cost of such remediation and a schedule for accomplishing such remediation; and

(4) provide an assessment of past expenditures by local water authorities to address contamination before the Environmental Protection Agency established a maximum contaminant level and an estimate of the cost to reimburse communities that remediated water to a level not greater than such level.

(c) **ASSESSMENT OF HEALTH EFFECTS OF PFAS EXPOSURE.**—The Secretary of Defense shall conduct an assessment of the human health implications of PFAS exposure. Such assessment shall include—

(1) a meta-analysis that considers the current scientific evidence base linking the health effects of PFAS on individuals who served as members of the Armed Forces and were exposed to PFAS at military installations;

(2) an estimate of the number of members of the Armed Forces and veterans who may have been exposed to PFAS while serving in the Armed Forces;

(3) the development of a process that would facilitate the transfer between the Department of Defense and the Department of Veterans Affairs of health information of individuals who served in the Armed Forces and may have been exposed to PFAS during such service; and

(4) a description of the amount of funding that would be required to administer a potential registry of individuals who may have been exposed to PFAS while serving in the Armed Forces.

SEC. 316. EXTENSION OF AUTHORIZED PERIODS OF PERMITTED INCIDENTAL TAKINGS OF MARINE MAMMALS IN THE COURSE OF SPECIFIED ACTIVITIES BY DEPARTMENT OF DEFENSE.

Section 101(a)(5)(A) of the Marine Mammal Protection Act of 1972 (16 U.S.C. 1371(a)(5)(A)) is amended—

(1) in clause (i), by striking “Upon request” and inserting “Except as provided by clause (ii), upon request”;

(2) by redesignating clauses (ii) and (iii) as clauses (iii) and (iv), respectively; and

(3) by inserting after clause (i) the following new clause (ii):
“(ii) In the case of a military readiness activity (as defined in section 315(f) of the Bob Stump National Defense Authorization Act for Fiscal Year 2003 (Public Law 107–314; 16 U.S.C. 703 note), clause (i) shall be applied—

“(I) in the matter preceding clause (I), by substituting ‘seven consecutive years’ for ‘five consecutive years’; and

“(II) in clause (I), by substituting ‘seven-year’ for ‘five-year’.”.

SEC. 317. DEPARTMENT OF DEFENSE ENVIRONMENTAL RESTORATION PROGRAMS.

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

(1) The Department of Defense has identified nearly 39,500 sites that fall under the installation restoration program sites and munitions response sites.

(2) The installation response program addresses contamination from hazardous substances, pollutants, or contaminants and active military installations, formerly used defense site

properties, and base realignment and closure locations in the United States.

(3) Munitions response sites are known or suspected to contain unexploded ordnance, discarded military munitions, or munitions constituents are addressed through the military munitions response program.

(4) The installation restoration program sites and munitions response sites have had significant impacts on state and local governments that have had to bear the increased costs of environmental degradation, notably groundwater contamination, and local populations that have had to live with the consequences of contaminated drinking, including increased health concerns and decreasing property values.

(5) Through the end of fiscal year 2017, the Department of Defense had achieved response complete at 86 percent of installation restoration program sites and munitions response sites, but projects that it will fall short of meeting its goal of 90 percent by the end of fiscal year 2018.

(6) The fiscal year 2019 budget request for environmental restoration and base realignment and closure amounted to nearly \$1,318,320,000, a decrease of \$53,429,000 from the amount authorized in the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91).

(b) SENSE OF CONGRESS.—It is the sense of Congress that—

(1) the environmental restoration and base realignment and closure programs are important for the protection of the environment, the health of the military and civilian personnel and their families who live and work on military installations, to ensure that current and legacy military operations do not adversely affect the health or environments of surrounding communities;

(2) the Department of Defense and the Armed Forces should seek to reduce the financial burden on state and local government who are bearing significant costs of cleanup stemming from defense related activities;

(3) the Department of Defense and the Armed Forces should expedite and streamline cleanup at locations where contamination is having a direct impact on civilian access to clean drinking water;

(4) the Department of Defense and the Armed Forces should continue to engage with and help allay local community concerns about the safety of the drinking water due to environmental degradation caused by defense related activities; and

(5) the Department of Defense should seek opportunities to accelerate environmental restoration efforts where feasible, to include programming additional resources for response actions, investing in technology solutions that may expedite response actions, improving contracting procedures, increasing contracting capacity, and seeking opportunities for partnerships and other cooperative approaches.

SEC. 318. JOINT STUDY ON THE IMPACT OF WIND FARMS ON WEATHER RADARS AND MILITARY OPERATIONS.

(a) IN GENERAL.—The Secretary of Defense shall enter into an arrangement with the National Oceanic and Atmospheric Administration to conduct a study on how to improve existing National Oce-

anic and Atmospheric Administration and National Weather Service tools to reflect the latest data and policies to improve consistency in weather radars, with a focus on a research and development and field test evaluation program to validate existing mitigation options and develop additional options for weather radar impact, in collaboration with the National Weather Service, the Department of Energy, and the Federal Aviation Administration, and with input from academia and industry.

(b) *ELEMENTS.*—The study required pursuant to subsection (a) shall include the following:

(1) *The potential impacts of wind farms on NEXRAD radars and other Federal radars for weather forecasts and warnings used by the Department of Defense, the National Oceanic and Atmospheric Administration, and the National Weather Service.*

(2) *Recommendations to reduce, mitigate, or eliminate the potential impacts.*

(3) *Recommendations for addressing the impacts to NEXRADs and weather radar due to increasing turbine heights.*

(4) *Recommendations to ensure wind farms do not impact the ability of the National Oceanic and Atmospheric Administration and the National Weather Service to warn or forecast hazardous weather.*

(5) *The cumulative impacts of multiple wind farms near a single radar on the ability of the National Oceanic and Atmospheric Administration and the National Weather Service to warn or forecast hazardous weather.*

(6) *An analysis of whether certain wind turbine projects, based on project layout, turbine orientation, number of turbines, density of turbines, proximity to radar, or turbine height result in greater impacts to the missions of Department of Defense, the National Oceanic and Atmospheric Administration, and the National Weather Service, and if so, how can those projects be better cited to reduce or eliminate NEXRAD impacts.*

(7) *Case studies where the Department of Defense, the National Weather Service, and industry have worked together to implement solutions.*

(8) *Mitigation options, including software and hardware upgrades, which the National Oceanic and Atmospheric Administration and the National Weather Service have researched and analyzed, and the results of such research and analysis.*

(9) *A review of mitigation research performed to date by the Government and or academia.*

(10) *Identification of future research opportunities, requirements, and recommendations for the SENSr program to mitigate energy development.*

(c) *SUBMITTAL TO CONGRESS.*—Not later than 12 months after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees a report on the study conducted pursuant to subsection (a).

SEC. 319. CORE SAMPLING AT JOINT BASE SAN ANTONIO, TEXAS.

(a) *SITE INVESTIGATION REQUIRED.*—The Secretary of the Air Force shall conduct a core sampling study along the proposed route of the W-6 wastewater treatment line on Air Force real property, in

compliance with best engineering practices, to determine if any regulated or hazardous substances are present in the soil along the proposed route.

(b) *REPORT REQUIRED.*—Not later than 15 months after the date of the enactment of this Act, the Secretary of the Air Force shall submit to the Committees on Armed Services of the Senate and the House of Representatives a report on the results of the core samples taken pursuant to subsection (a).

SEC. 320. PRODUCTION AND USE OF NATURAL GAS AT FORT KNOX, KENTUCKY.

(a) *AUTHORITY.*—

(1) *IN GENERAL.*—The Secretary of the Army is authorized to continue production, treatment, management, and use of the natural gas from covered wells at Fort Knox, without regard to section 3 of the Mineral Leasing Act for Acquired Lands (30 U.S.C. 352), with the limitation that the Secretary of the Army shall comply with the Mineral Leasing Act, Mineral Leasing Act for Acquired Lands, and the Federal Oil and Gas Royalty Management Act, for additional oil or natural gas drilling operations and production activities beyond the production from the covered wells at Fort Knox.

(2) *CONTRACT AUTHORITY.*—The Secretary is authorized to enter into a contract with an appropriate entity to carry out paragraph (1), with the limitation that the authority provided in this section does not affect or authorize any interference with the Muldraugh Gas Storage Facility at Fort Knox.

(b) *ROYALTIES TO THE STATE OF KENTUCKY.*—

(1) *IN GENERAL.*—In implementing this section—

(A) The Secretary of the Interior shall calculate the value of royalty payments, calculated on a calendar year basis beginning on the date of enactment of this section, that the State of Kentucky would have received under the Mineral Leasing Act for Acquired Lands (30 U.S.C. 352) for future natural gas produced at Fort Knox under the authority of this section as though the natural gas had been produced under the Mineral Leasing Act for Acquired Lands, and provide the calculation to the Secretary of the Army.

(B) Upon request of the Secretary of the Interior, the Secretary of the Army or its contractor shall promptly provide all information, documents, or other materials the Secretary of the Interior deems necessary to conduct this calculation.

(C) The Secretary of the Army shall pay to the Treasury of the United States the value of royalty calculated under this section upon receipt of the calculation from the Secretary of the Interior.

(D) The Secretary of the Interior shall disburse the sums collected from the Secretary of the Army pursuant to this paragraph to the State of Kentucky as though the funds were being disbursed to the State under section 6 of the Mineral Leasing Act for Acquired Lands (30 U.S.C. 355) no later than 6 months after the date of the enactment of this Act.

(E) Regardless of the value of the royalty payments calculated under subparagraph (A), in no case may the amount of the sums disbursed under subparagraph (D) for any calendar year exceed \$49,000.

(2) WAIVER AUTHORITY.—The Governor of Kentucky may waive paragraph (1) by providing written notice to the Secretary of the Interior to that effect.

(c) OWNERSHIP OF FACILITIES.—The Secretary of the Army may take ownership of any gas production and treatment equipment and facilities and associated infrastructure from an entity with which the Secretary has entered into a contract under subsection (a) in accordance with the terms of the contract. The Secretary of the Interior shall have no responsibility for the plugging and abandonment of the covered wells at Fort Knox, the reclamation of the covered wells at Fort Knox, or any environmental damage caused or associated with the production of the covered wells at Fort Knox.

(d) APPLICABILITY.—The authority of the Secretary of the Army under this section is effective as of August 2, 2007.

(e) LIMITATION ON USES.—Any natural gas produced under the authority of this section may be used only to support energy security and energy resilience at Fort Knox. For purposes of this section, energy security and energy resilience include maintaining and continuing to produce natural gas from the covered wells at Fort Knox, and enhancing the Fort Knox energy grid through acquisition and maintenance of battery storage, loop transmission lines and pipelines, sub-stations, and automated circuitry.

(f) SAFETY STANDARDS FOR GAS WELLS.—The covered wells at Fort Knox shall meet the same technical installation and operating standards that they would have had to meet had they been installed under a lease pursuant to the Mineral Leasing Act for Acquired Lands. Such standards include the gas measurement requirements in the Federal Oil and Gas Royalty Management Act and the operational standards in the Onshore Oil and Gas Operating and Production regulations issued by the Bureau of Land Management. The Bureau of Land Management shall inspect and enforce the Army's and its contractor's compliance with the standards of the Mineral Leasing Act for Acquired Lands, the Federal Oil and Gas Royalty Management Act, and the Bureau of Land Management Onshore Oil and Gas Operating and Production regulations.

(g) COVERED WELLS AT FORT KNOX.—In this section, the term "covered wells at Fort Knox" means the 26 wells located at Fort Knox, Kentucky, as of the date of the enactment of this Act.

Subtitle C—Logistics and Sustainment

SEC. 321. AUTHORIZING USE OF WORKING CAPITAL FUNDS FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS RELATED TO REVITALIZATION AND RECAPITALIZATION OF DEFENSE INDUSTRIAL BASE FACILITIES.

Section 2208 of title 10, United States Code, is amended by adding at the end the following new subsection:

“(u) USE FOR UNSPECIFIED MINOR MILITARY CONSTRUCTION PROJECTS TO REVITALIZE AND RECAPITALIZE DEFENSE INDUSTRIAL BASE FACILITIES.—(1) The Secretary of a military department may use a working capital fund of the department under this section to carry out an unspecified minor military construction project under

section 2805 for the revitalization and recapitalization of a defense industrial base facility owned by the United States and under the jurisdiction of the Secretary.

“(2) Section 2805 shall apply with respect to a project carried out with a working capital fund under the authority of this subsection in the same manner as such section applies to any unspecified minor military construction project under section 2805.

“(3) In this subsection, the term ‘defense industrial base facility’ means any Department of Defense depot, arsenal, shipyard, or plant located within the United States.

“(4) The authority to use a working capital fund to carry out a project under the authority of this subsection expires on September 30, 2023.”.

SEC. 322. EXAMINATION OF NAVY VESSELS.

(a) NOTICE OF EXAMINATIONS.—Subsection (a) of section 7304 of title 10, United States Code, is amended—

(1) by striking “The Secretary” and inserting “(1) The Secretary”; and

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

“(2)(A) Except as provided in subparagraph (B), any naval vessel examined under this section on or after January 1, 2020, shall be examined with minimal notice provided to the crew of the vessel.

“(B) Subparagraph (A) shall not apply to a vessel undergoing necessary trials before acceptance into the fleet.”.

(b) ANNUAL REPORT.—Such section is further amended by adding at the end the following new subsection:

“(d) ANNUAL REPORT.—(1) Not later than March 1 each year, the board designated under subsection (a) shall submit to the congressional defense committees a report setting forth the following:

“(A) An overall narrative summary of the material readiness of Navy ships as compared to established material requirements standards.

“(B) The overall number and types of vessels inspected during the preceding fiscal year.

“(C) For in-service vessels, material readiness trends by inspected functional area as compared to the previous five years.

“(2) Each report under this subsection shall be submitted in an unclassified form that is releasable to the public without further redaction.

“(3) No report shall be required under this subsection after October 1, 2021.”.

SEC. 323. LIMITATION ON LENGTH OF OVERSEAS FORWARD DEPLOYMENT OF NAVAL VESSELS.

(a) LIMITATION.—

(1) IN GENERAL.—Chapter 633 of title 10, United States Code, is amended by adding at the end the following new section:

“§ 7320. Limitation on length of overseas forward deployment of naval vessels

“(a) LIMITATION.—The Secretary of the Navy shall ensure that no naval vessel specified in subsection (b) that is listed in the Naval Vessel Register is forward deployed overseas for a period in excess

of ten years. At the end of a period of overseas forward deployment, the vessel shall be assigned a homeport in the United States.

“(b) **VESSELS SPECIFIED.**—A naval vessel specified in this subsection is any of the following:

- “(1) Aircraft carrier.
- “(2) Amphibious ship.
- “(3) Cruiser.
- “(4) Destroyer.
- “(5) Frigate.
- “(6) Littoral Combat Ship.

“(c) **WAIVER.**—The Secretary of the Navy may waive the limitation under subsection (a) with respect to a naval vessel if the Secretary submits to the congressional defense committees notice in writing of—

- “(1) the waiver of such limitation with respect to the vessel;
- “(2) the date on which the period of overseas forward deployment of the vessel is expected to end; and
- “(3) the factors used by the Secretary to determine that a longer period of deployment would promote the national defense or be in the public interest.”.

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

“7320. Limitation on length of overseas forward deployment of naval vessels.”.

(b) **TREATMENT OF CURRENTLY DEPLOYED VESSELS.**—In the case of any naval vessel that has been forward deployed overseas for a period in excess of ten years as of the date of the enactment of this Act, the Secretary of the Navy shall ensure that such vessel is assigned a homeport in the United States by not later than three years after the date of the enactment of this Act.

(c) **CONGRESSIONAL BRIEFING.**—Not later than October 1, 2020, the Secretary of the Navy shall provide to the Committees on Armed Services of the Senate and House of Representatives a briefing on the plan of the Secretary for the rotation of forward deployed naval vessels.

SEC. 324. TEMPORARY MODIFICATION OF WORKLOAD CARRYOVER FORMULA.

During the period beginning on the date of the enactment of this Act and ending on September 30, 2021, in carrying out chapter 9, volume 2B (relating to Instructions for the Preparation of Exhibit Fund-11a Carryover Reconciliation) of Department of Defense regulation 7000.14-R, entitled “Financial Management Regulation (FMR)”, in addition to any other applicable exemptions, the Secretary of Defense shall ensure that with respect to each military department depot or arsenal, outlay rates—

- (1) reflect the timing of when during a fiscal year appropriations have historically funded workload; and
- (2) account for the varying repair cycle times of the workload supported.

SEC. 325. LIMITATION ON USE OF FUNDS FOR IMPLEMENTATION OF ELEMENTS OF MASTER PLAN FOR REDEVELOPMENT OF FORMER SHIP REPAIR FACILITY IN GUAM.

(a) **LIMITATION.**—Except as provided in subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for the Navy for fiscal year 2019 may be obligated

or expended for any construction, alteration, repair, or development of the real property consisting of the Former Ship Repair Facility in Guam.

(b) *EXCEPTION.*—The limitation under subsection (a) does not apply to any project that directly supports depot-level ship maintenance capabilities, including the mooring of a floating dry dock.

(c) *FORMER SHIP REPAIR FACILITY IN GUAM.*—In this section, the term “Former Ship Repair Facility in Guam” means the property identified by that name under the base realignment and closure authority carried out under the Defense Base Closure and Realignment Act of 1990 (part A of title XXIX of Public Law 101–510; 10 U.S.C. 2687 note).

SEC. 326. BUSINESS CASE ANALYSIS FOR PROPOSED RELOCATION OF J85 ENGINE REGIONAL REPAIR CENTER.

(a) *BUSINESS CASE ANALYSIS.*—The Secretary of the Air Force shall prepare a business case analysis on the proposed relocation of the J85 Engine Regional Repair Center. Such analysis shall include each of the following:

(1) An overview of each alternative considered for the J85 Engine Regional Repair Center.

(2) The one-time and annual costs associated with each such alternative.

(3) The effect of each such alternative on workload capacity, capability, schedule, throughput, and costs.

(4) The effect of each such alternative on Government-furnished parts, components, and equipment, including mitigation strategies to address known limitations to T38 production throughput, especially such limitations caused by Government-furnished parts, equipment, or transportation.

(5) The effect of each such alternative on the transition of the Air Force to the T-X training aircraft.

(6) A detailed rationale for the selection of an alternative considered as part of the business case analysis under this section.

(b) *LIMITATION ON USE OF FUNDS FOR RELOCATION.*—None of the funds authorized to be appropriated by this Act, or otherwise made available for the Air Force, may be obligated or expended for any action to relocate the J85 Engine Regional Repair Center until the date that is 150 days after the date on which the Secretary of the Air Force provides to the Committees on Armed Services of the Senate and House of Representatives a briefing on the business case analysis required by subsection (a).

SEC. 327. REPORT ON PILOT PROGRAM FOR MICRO-REACTORS.

(a) *REPORT REQUIRED.*—Not later than 12 months after the date of enactment of this Act, the Secretary shall develop and submit to the Committee on Armed Services and the Committee on Energy and Commerce in the House of Representatives and the Committee on Armed Services and the Committee on Energy and Natural Resources in the Senate a report describing the requirements for, and components of, a pilot program to provide resilience for critical national security infrastructure at Department of Defense facilities with high energy intensity and currently expensive utility rates and Department of Energy facilities by contracting with a commercial entity to site, construct, and operate at least one licensed

micro-reactor at a facility identified under the report by December 31, 2027.

(b) *CONSULTATION.*—As necessary to develop the report required under subsection (a), the Secretary shall consult with—

- (1) the Secretary of Defense;
- (2) the Nuclear Regulatory Commission; and
- (3) the Administrator of the General Services Administration.

(c) *CONTENTS.*—The report required under subsection (a) shall include—

- (1) identification of potential locations to site, construct, and operate a micro-reactor at a Department of Defense or Department of Energy facility that contains critical national security infrastructure that the Secretary determines may not be energy resilient;
- (2) assessments of different nuclear technologies to provide energy resiliency for critical national security infrastructure;
- (3) a survey of potential commercial stakeholders with which to enter into a contract under the pilot program to construct and operate a licensed micro-reactor;
- (4) options to enter into long-term contracting, including various financial mechanisms for such purpose;
- (5) identification of requirements for micro-reactors to provide energy resilience to mission-critical functions at facilities identified under paragraph (1);
- (6) an estimate of the costs of the pilot program;
- (7) a timeline with milestones for the pilot program;
- (8) an analysis of the existing authority of the Department of Energy and Department of Defense to permit the siting, construction, and operation of a micro-reactor; and
- (9) recommendations for any legislative changes to the authorities analyzed under paragraph (8) necessary for the Department of Energy and the Department of Defense to permit the siting, construction, and operation of a micro-reactor.

(d) *DEFINITIONS.*—In this section:

- (1) The term “critical national security infrastructure” means any site or installation that the Secretary of Energy or the Secretary of Defense determines supports critical mission functions of the national security enterprise.
- (2) The term “licensed” means holding a license under section 103 or 104 of the Atomic Energy Act of 1954.
- (3) The term “micro-reactor” means a nuclear reactor that has a power production capacity that is not greater than 50 megawatts.
- (4) The term “pilot program” means the pilot program described in subsection (a).
- (5) The term “Secretary” means Secretary of Energy.

(e) *FORM.*—The report required under subsection (a) shall be submitted in unclassified form, but may include a classified appendix.

(f) *LIMITATIONS.*—This Act does not authorize the Department of Energy or Department of Defense to enter into a contract with respect to the pilot program.

SEC. 328. LIMITATION ON MODIFICATIONS TO NAVY FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION STRUCTURE AND MECHANISM.

The Secretary of the Navy may not make any modification to the existing Navy Facilities Sustainment, Restoration, and Modernization structure or mechanism that would modify duty relationships or significantly alter the existing structure until 90 days after providing notice of the proposed modification to the congressional defense committees.

Subtitle D—Reports

SEC. 331. REPORTS ON READINESS.

(a) UNIFORM APPLICABILITY OF READINESS REPORTING SYSTEM.—Subsection (b) of section 117 of title 10, United States Code, is amended—

- (1) by inserting “and maintaining” after “establishing”;*
- (2) in paragraph (1), by striking “reporting system is applied uniformly throughout the Department of Defense” and inserting “reporting system and associated policies are applied uniformly throughout the Department of Defense, including between and among the joint staff and each of the armed forces”;*
- (3) by redesignating paragraphs (2) and (3) as paragraphs (5) and (6), respectively;*
- (4) by inserting after paragraph (1) the following new paragraphs:*
 - “(2) that is the single authoritative readiness reporting system for the Department, and that there shall be no military service specific systems;*
 - “(3) that readiness assessments are accomplished at an organizational level at, or below, the level at which forces are employed;*
 - “(4) that the reporting system include resources information, force posture, and mission centric capability assessments, as well as predicted changes to these attributes;”;* and
 - (5) in paragraph (5), as redesignated by paragraph (3) of this subsection, by inserting “, or element of a unit,” after “readiness status of a unit”.*

(b) CAPABILITIES OF READINESS REPORTING SYSTEM.—Such section is further amended in subsection (c)—

- (1) in paragraph (1)—*
 - (A) by striking “Measure, on a monthly basis, the capability of units” and inserting “Measure the readiness of units”; and*
 - (B) by striking “conduct their assigned wartime missions” and inserting “conduct their designed and assigned missions”;*
- (2) in paragraph (2)—*
 - (A) by striking “Measure, on an annual basis,” and inserting “Measure”; and*
 - (B) by striking “wartime missions” and inserting “designed and assigned missions”;*
- (3) in paragraph (3)—*
 - (A) by striking “Measure, on an annual basis,” and inserting “Measure”; and*

- (B) by striking “wartime missions” and inserting “designed and assigned missions”;
- (4) in paragraph (4), by striking “Measure, on a monthly basis,” and inserting “Measure”;
- (5) in paragraph (5), by striking “Measure, on an annual basis,” and inserting “Measure”;
- (6) by striking paragraphs (6) and (8) and redesignating paragraph (7) as paragraph (6); and
- (7) in paragraph (6), as so redesignated, by striking “Measure, on a quarterly basis,” and inserting “Measure”.
- (c) SEMI-ANNUAL AND MONTHLY JOINT READINESS REVIEWS.—Such section is further amended in subsection (d)(1)(A) by inserting “, which includes a validation of readiness data currency and accuracy” after “joint readiness review”.
- (d) QUARTERLY REPORT ON CHANGE IN CURRENT STATE OF UNIT READINESS.—Such section is further amended—
- (1) by redesignating subsection (f) as subsection (h); and
 - (2) by inserting after subsection (e) the following new subsection (f):
- “(f) QUARTERLY REPORT ON MONTHLY CHANGES IN CURRENT STATE OF READINESS OF UNITS.—For each quarter that begins after the date of the enactment of this subsection and ends on or before September 30, 2023, the Secretary shall submit to the congressional defense committees a report on each monthly upgrade or downgrade of the current state of readiness of a unit that was issued by the commander of a unit during the previous quarter, together with the rationale of the commander for the issuance of such upgrade or downgrade.”.
- (e) ANNUAL REPORT TO CONGRESS ON OPERATIONAL CONTRACT SUPPORT.—Such section is further amended by inserting after the new subsection (f), as added by subsection (d)(2) of this section, the following new subsection:
- “(g) ANNUAL REPORT ON OPERATIONAL CONTRACT SUPPORT.—The Secretary shall each year submit to the congressional defense committees a report in writing containing the results of the most recent annual measurement of the capability of operational contract support to support current and anticipated wartime missions of the armed forces. Each such report shall be submitted in unclassified form, but may include a classified annex.”.
- (f) REGULATIONS.—Such section is further amended in subsection (h), as redesignated by subsection (d)(1) of this section, by striking “prescribe the units that are subject to reporting in the readiness reporting system, what type of equipment is subject to such reporting” and inserting “prescribe the established information technology system for Department of Defense reporting, specifically authorize exceptions to a single-system architecture, and identify the organizations, units, and entities that are subject to reporting in the readiness reporting system, what organization resources are subject to such reporting”.
- (g) CONFORMING AMENDMENTS.—
- (1) SECTION HEADING.—Such section is further amended in the section heading by striking “: **establishment; reporting to congressional committees**”.

(2) *TABLE OF SECTIONS.*—*The table of sections at the beginning of chapter 2 is amended by striking the item relating to section 117 and inserting the following new item:*

“117. Readiness reporting system.”

SEC. 332. MATTERS FOR INCLUSION IN QUARTERLY REPORTS ON PERSONNEL AND UNIT READINESS.

Section 482 of title 10, United States Code, is amended—

(1) *in subsection (b)(1), by inserting after “deficiency” the following: “in the ground, sea, air, space, and cyber forces, and in such other such areas as determined by the Secretary of Defense,”; and*

(2) *in subsection (d)—*

(A) *in the subsection heading, by striking “ASSIGNED MISSION”;*

(B) *by striking paragraph (3);*

(C) *by redesignating paragraphs (2) as paragraph (3);*

and

(D) *by inserting after paragraph (1) the following new paragraph (2):*

“(2) *A report for the second or fourth quarter of a calendar year under this section shall also 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, air, sea, space, and cyber forces.*”

SEC. 333. ANNUAL COMPTROLLER GENERAL REVIEWS OF READINESS OF ARMED FORCES TO CONDUCT FULL SPECTRUM OPERATIONS.

(a) *REVIEWS REQUIRED.*—*For each of calendar years 2018 through 2021, the Comptroller General of the United States shall conduct an annual review of the readiness of the Armed Forces to conduct each of the following types of full spectrum operations:*

(1) *Ground.*

(2) *Sea.*

(3) *Air.*

(4) *Space.*

(5) *Cyber.*

(b) *ELEMENTS OF REVIEW.*—*In conducting a review under subsection (a), the Comptroller General shall—*

(1) *use standard methodology and reporting formats in order to show changes over time;*

(2) *evaluate, using fiscal year 2017 as the base year of analysis—*

(A) *force structure;*

(B) *the ability of major operational units to conduct operations; and*

(C) *the status of equipment, manning, and training;*

and

(3) *provide reasons for any variances in readiness levels, including changes in funding, availability in parts, training opportunities, and operational demands.*

(c) *METRICS.*—*For purposes of the reviews required by this section, the Secretary of Defense shall identify and establish metrics for measuring readiness for the operations covered by subsection (a). In*

the first review conducted under this section, the Comptroller General shall evaluate and determine the validity of such metrics.

(d) **ACCESS TO RELEVANT DATA.**—For purposes of this section, the Secretary of Defense shall ensure that the Comptroller General has access to all relevant data, including—

(1) any assessments of the ability of the Department of Defense and the Armed Forces to execute operational and contingency plans;

(2) any internal Department readiness and force structure assessments; and

(3) the readiness databases of the Department and the Armed Forces.

(e) **REPORTS.**—

(1) **ANNUAL REPORT.**—Not later than February 28, 2019, and annually thereafter until 2022, the Comptroller General shall submit to the Committees on Armed Services of the Senate and House of Representatives an annual report on the review conducted under subsection (a) for the year preceding the year during which the report is submitted.

(2) **ADDITIONAL REPORTS.**—At the discretion of the Comptroller General, the Comptroller General may submit to the Committees on Armed Services of the Senate and House of Representatives additional reports addressing specific mission areas within the operations covered by subsection (a) in order to provide an independent assessment of readiness in the areas of equipping, mapping, and training.

SEC. 334. SURFACE WARFARE TRAINING IMPROVEMENT.

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

(1) In 2017, there were three collisions and one grounding involving United States Navy ships in the Western Pacific. The two most recent mishaps involved separate incidents of a Japan-based United States Navy destroyer colliding with a commercial merchant vessel, resulting in the combined loss of 17 sailors.

(2) The causal factors in these four mishaps are linked directly to a failure to take sufficient action in accordance with the rules of good seamanship.

(3) Because risks are high in the maritime environment, there are widely accepted standards for safe seamanship and navigation. In the United States, the International Convention on Standards of Training, Certification and Watchkeeping (hereinafter in this section referred to as the “STCW”) for Seafarers, standardizes the skills and foundational knowledge a maritime professional must have in seamanship and navigation.

(4) Section 568 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat. 2139) endorsed the STCW process and required the Secretary of Defense to maximize the extent to which Armed Forces service, training, and qualifications are creditable toward meeting merchant mariner licenses and certifications.

(5) The Surface Warfare Officer Course Curriculum is being modified to include ten individual Go/No Go Mariner Assessments/Competency Check Milestones to ensure standardization and quality of the surface warfare community.

(6) *The Military-to-Mariner Transition report of September 2017 notes the Army maintains an extensive STCW qualifications program and that a similar Navy program does not exist.*

(b) **SENSE OF CONGRESS.**—*It is the sense of Congress that—*

(1) *the Secretary of the Navy should establish a comprehensive individual proficiency assessment process and include such an assessment prior to all operational surface warfare officer tour assignments; and*

(2) *the Secretary of the Navy should significantly expand the STCW qualifications process to improve seamanship and navigation individual skills training for surface warfare candidates, surface warfare officers, quartermasters and operations specialists to include an increased set of courses that directly correspond to STCW standards.*

(c) **REPORT.**—*Not later than March 1, 2019, the Secretary of the Navy shall submit to the congressional defense committees a report that includes each of the following:*

(1) *A detailed description of the surface warfare officer assessments process.*

(2) *A list of programs that have been approved for credit toward merchant mariner credentials.*

(3) *A complete gap analysis of the existing surface warfare training curriculum and STCW.*

(4) *A complete gap analysis of the existing surface warfare training curriculum and the 3rd mate unlimited licensing requirement.*

(5) *An assessment of surface warfare options to complete the 3rd mate unlimited license and the STCW qualification.*

SEC. 335. REPORT ON OPTIMIZING SURFACE NAVY VESSEL INSPECTIONS AND CREW CERTIFICATIONS.

(a) **REPORT REQUIRED.**—*Not later than one year after the date of the enactment of this Act, the Secretary of the Navy shall submit to Congress a report on optimizing surface Navy vessel inspections and crew certifications to reduce the burden of inspection type visits that vessels undergo. Such report shall include—*

(1) *an audit of all surface Navy vessel inspections, certifications, and required and recommended assist visits;*

(2) *an analysis of such inspections, certifications, and visits for redundancies, as well as any necessary items not covered;*

(3) *recommendations to streamline surface vessel inspections, certifications, and required and recommended assist visits to optimize effectiveness, improve material readiness, and restore training readiness; and*

(4) *recommendations for congressional action to address the needs of the Navy as identified in the report.*

(b) **CONGRESSIONAL BRIEFING.**—*Not later than January 31, 2019, the Secretary of the Navy shall provide to the Senate Committee on Armed Services and the House Committee on Armed Services an interim briefing on the matters to be included in the report required by subsection (a).*

SEC. 336. REPORT ON DEPOT-LEVEL MAINTENANCE AND REPAIR.

The Secretary of Defense, in consultation with the heads of each of the military departments and the Chairman of the Joint Chiefs

of Staff, shall submit to the congressional defense committees a report on labor hours and depot maintenance, which shall include—

(1) the amount of public and private funding of depot-level maintenance and repair (as defined in section 2460 of title 10 United States Code) for the Department of Defense, Army, Navy, Marine Corps, Air Force, Special Operations Command, and any other unified command identified by the Secretary, expressed by commodity group by percentage and actual numbers in terms of dollars and direct labor hours;

(2) within each category of depot level maintenance and repair for each entities, the amount of the subset of depot maintenance workload that meets the description under section 2464 of title 10, United States Code, that is performed in the public and private sectors by direct labor hours and by dollars;

(3) of the subset referred to in paragraph (2), the amount of depot maintenance workload performed in the public and private sector by direct labor hour and by dollars for each entity that would otherwise be considered core workload under such section 2464, but is not considered core because a weapon system or equipment has not been declared a program of record; and

(4) the projections for the upcoming future years defense program, including the distinction between the Navy and the Marine Corps for the Department of the Navy, as well as any unified command, including the Special Operations Command.

SEC. 337. REPORT ON WILDFIRE SUPPRESSION CAPABILITIES OF ACTIVE AND RESERVE COMPONENTS.

(a) *SENSE OF CONGRESS.*—It is the sense of Congress that wildfires endanger national security.

(b) *REPORT.*—Not later than 90 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report on the wildfire suppression capabilities within the active and reserve components of the Armed Forces, including the Modular Airborne Fire Fighting System Program, and interagency cooperation with the Forest Service and the Department of the Interior.

SEC. 338. REPORT ON RELOCATION OF STEAM TURBINE PRODUCTION FROM NIMITZ-CLASS AND FORD-CLASS AIRCRAFT CARRIERS AND VIRGINIA-CLASS AND COLUMBIA-CLASS SUBMARINES.

Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Under Secretary of Defense for Acquisition, Technology, and Logistics and the Assistant Secretary of the Navy for Research, Development, and Acquisition, shall develop and submit to Congress a report describing the potential impacts on national defense and the manufacturing base resulting from contractors or subcontractors relocating steam turbine production for Nimitz-class and Ford-class aircraft carriers and Virginia-class and Columbia-class submarines. Such report shall address each of the following:

(1) The overall risk of moving production on the national security of the United States, including the likelihood of production delay or reduction in quality of steam turbines.

(2) The impact on national security from a delay in production of aircraft carriers and submarines.

(3) *The impacts on regional suppliers the current production of steam turbines draw on and their ability to perform other contracts should a relocation happen.*

(4) *The impact on the national industrial and manufacturing base and loss of a critically skilled workforce resulting from a relocation of production.*

(5) *The risk of moving production on total cost of the acquisition.*

SEC. 339. REPORT ON SPECIALIZED UNDERGRADUATE PILOT TRAINING PRODUCTION, RESOURCING, AND LOCATIONS.

(a) *IN GENERAL.*—Not later than March 1, 2019, the Secretary of the Air Force shall submit to the congressional defense committees a report on existing Specialized Undergraduate Pilot Training (SUPT) production, resourcing, and locations.

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

(1) *A description of the strategy of the Air Force for utilizing existing SUPT locations to produce the number of pilots the Air Force requires.*

(2) *The number of pilots that each SUPT location has graduated, by year, over the previous 5 fiscal years.*

(3) *The forecast number of pilots that each SUPT location will produce for fiscal year 2019.*

(4) *The maximum production capacity of each SUPT location.*

(5) *The extent to which existing SUPT installations are operating at maximum capacity in terms of pilot production.*

(6) *A cost estimate of the resources required for each SUPT location to reach maximum production capacity.*

(7) *A determination as to whether increasing production capacity at existing SUPT locations will satisfy the Air Force's SUPT requirement.*

(8) *A timeline and cost estimation of establishing a new SUPT location.*

(9) *A discussion of whether the Air Force plans to operate existing SUPT installations at maximum capacity over the future years defense program.*

(10) *A business case analysis comparing the establishment of a new SUPT location to increasing production capacity at existing SUPT locations.*

SEC. 340. REPORT ON AIR FORCE AIRFIELD OPERATIONAL REQUIREMENTS.

(a) *IN GENERAL.*—Not later than February 1, 2019, the Secretary of the Air Force shall conduct an assessment and submit to the congressional defense committees a report detailing the operational requirements for Air Force airfields.

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

(1) *An assessment of the state of airfields where runway degradation currently poses a threat to operations and airfields where such degradation threatens operations in the next five and ten years.*

(2) *A description of the operational requirements for airfields, including an assessment of the impact to operations, cost to repair, cost to replace, remaining useful life, and the required*

daily maintenance to ensure runways are acceptable for full operations.

(3) A description of any challenges with infrastructure acquisition methods and processes.

(4) An assessment of the operational impact in the event a runway were to become inoperable due to a major degradation incident, such as a crack or fracture resulting from lack of maintenance and repair.

(5) A plan to address any shortfalls associated with the Air Force's runway infrastructure.

(c) *FORM.*—The report required under subsection (a) shall be in unclassified form but may contain a classified annex as necessary.

SEC. 341. REPORT ON NAVY SURFACE SHIP REPAIR CONTRACT COSTS.

(a) *REPORT REQUIRED.*—Not later than 120 days after the date of the enactment of this Act, the Secretary of the Navy shall submit to the congressional defense committees a report on Navy surface ship repair contract costs.

(b) *ELEMENTS.*—The report required under subsection (a) shall include, for each private sector maintenance availability for a conventionally-powered Navy surface ship for the prior two completed fiscal years, the following elements:

(1) Name of the ship.

(2) Location of the availability.

(3) Prime contractor performing the availability.

(4) Date of the contract award.

(5) Type of contract used, such as firm-fixed-price or cost-plus-fixed-fee.

(6) Solicitation number.

(7) Number of offers received in response to the solicitation.

(8) Contract target cost at the date of contract award.

(9) Contract ceiling cost of the contract at the date of contract award.

(10) Duration of the availability in days, including start and end dates, at the date of contract award.

(11) Final contract cost.

(12) Final delivery cost.

(13) Actual duration of the availability in days, including start and end dates.

(14) Description of growth work that was added after the contract award, including the associated cost.

(15) Explanation of why the growth work described in paragraph (14) was not included in the scope of work associated with the original contract award.

Subtitle E—Other Matters

SEC. 351. COAST GUARD REPRESENTATION ON EXPLOSIVE SAFETY BOARD.

Section 172(a) of title 10, United States Code, is amended—

(1) by striking “and Marine Corps” and inserting “Marine Corps, and Coast Guard”; and

(2) by adding at the end the following new sentence: “When the Coast Guard is not operating as a service in the Department of the Navy, the Secretary of Homeland Security shall appoint

an officer of the Coast Guard to serve as a voting member of the board.”.

SEC. 352. TRANSPORTATION TO CONTINENTAL UNITED STATES OF RETIRED MILITARY WORKING DOGS OUTSIDE THE CONTINENTAL UNITED STATES THAT ARE SUITABLE FOR ADOPTION IN THE UNITED STATES.

Section 2583(f) of title 10, United States Code, is amended by adding at the end the following new paragraph:

“(3)(A) In the case of a military working dog located outside the continental United States at the time of retirement that is suitable for adoption at that time, the Secretary of the military department concerned shall undertake transportation of the dog to the continental United States (including transportation by contract at United States expense) for adoption under this section unless—

“(i) the dog is adopted as described in paragraph (2)(A); or

“(ii) transportation of the dog to the continental United States would not be in the best interests of the dog for medical reasons.

“(B) Nothing in this paragraph shall be construed to alter the preference in adoption of retired military working dogs for former handlers as set forth in subsection (g).”.

SEC. 353. SCOPE OF AUTHORITY FOR RESTORATION OF LAND DUE TO MISHAP.

Subsection (e) of section 2691 of title 10, United States Code, as added by section 2814 of the Military Construction Authorization Act for Fiscal Year 2018 (division B of Public Law 115–91; 131 Stat. 1849), is amended by adding at the end the following new paragraph:

“(3) The authority under paragraphs (1) and (2) includes activities and expenditures necessary to complete restoration to meet the regulations of the Federal department or agency with administrative jurisdiction over the affected land, which may be different than the regulations of the Department of Defense.”.

SEC. 354. REPURPOSING AND REUSE OF SURPLUS ARMY FIREARMS.

Section 348(b) of the National Defense Authorization Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1365) is amended by inserting “shredded or” before “melted and repurposed”.

SEC. 355. STUDY ON PHASING OUT OPEN BURN PITS.

(a) REPORT.—Not later than 180 days after the date of the enactment of this Act, the Secretary of Defense shall submit to Congress a report that includes—

(1) details of any ongoing use of open burn pits; and

(2) the feasibility of phasing out the use of open burn pits by using technology incinerators.

(b) OPEN BURN PIT DEFINED.—In this section, the term “open burn pit” means an area of land—

(1) that is designated by the Secretary of Defense to be used for disposing solid waste by burning in the outdoor air; and

(2) does not contain a commercially manufactured incinerator or other equipment specifically designed and manufactured for the burning of solid waste.

SEC. 356. NOTIFICATION REQUIREMENTS RELATING TO CHANGES TO UNIFORM OF MEMBERS OF THE UNIFORMED SERVICES.

(a) *DLA NOTIFICATION.*—The Secretary of a military department shall notify the Commander of the Defense Logistics Agency of any plan to implement a change to any uniform or uniform component of a member of the uniformed services. Such notification shall be made not less than three years prior to the implementation of such change.

(b) *CONTRACTOR NOTIFICATION.*—The Commander of the Defense Logistics Agency shall notify a contractor when one of the uniformed services plans to make a change to a uniform component that is provided by that contractor. Such a notification shall be made not less than 12 months prior to any announcement of a public solicitation for the manufacture of the new uniform component.

(c) *WAIVER.*—If the Secretary of a military department or the Commander of the Defense Logistics Agency determines that the notification requirement under subsection (a) would adversely affect operational safety, force protection, or the national security interests of the United States, the Secretary or the Commander may waive such requirement.

SEC. 357. REPORTING ON FUTURE YEARS BUDGETING BY SUBACTIVITY GROUP.

Along with the budget for each fiscal year submitted by the President pursuant to section 1105(a) of title 31, United States Code, the Secretary of Defense and the Secretaries of the military departments shall include in the OP-5 Justification Books, as detailed by Department of Defense Financial Management Regulation 7000.14-R, the amount for each individual subactivity group, as detailed in the Department's future years defense program pursuant to section 221 of title 10, United States Code.

SEC. 358. LIMITATION ON AVAILABILITY OF FUNDS FOR SERVICE-SPECIFIC DEFENSE READINESS REPORTING SYSTEMS.

(a) *LIMITATION.*—None of the funds authorized to be appropriated by this Act or otherwise made available for the Department of Defense for fiscal year 2019 for research, development, test, and evaluation or procurement, and available to develop service-specific Defense Readiness Reporting Systems (referred to in this section as "DRRS") may be made available for such purpose except for required maintenance and in order to facilitate the transition to DRRS-Strategic (referred to in this section as "DRRS-S").

(b) *PLAN.*—Not later than February 1, 2019, the Under Secretary for Personnel and Readiness shall submit to the congressional defense committees a resource and funding plan to include a schedule with relevant milestones on the elimination of service-specific DRRS and the migration of the military services and other organizations to DRRS-S.

(c) *TRANSITION.*—The military services shall complete the transition to DRRS-S not later than October 1, 2019. The Secretary of Defense shall notify the congressional defense committees upon the complete transition of the services.

(d) *REPORTING REQUIREMENT.*—

(1) *IN GENERAL.*—The Under Secretary for Personnel and Readiness, the Under Secretary for Acquisition and Sustainment, and the Under Secretary for Research and Engineering, in coordination with the Secretaries of the military de-

partments and other organizations with relevant technical expertise, shall establish a working group including individuals with expertise in application or software development, data science, testing, and development and assessment of performance metrics to assess the current process for collecting, analyzing, and communicating readiness data, and develop a strategy for implementing any recommended changes to improve and establish readiness metrics using the current DRRS-Strategic platform.

(2) **ELEMENTS.**—The assessment conducted pursuant to paragraph (1) shall include—

(A) identification of modern tools, methods, and approaches to readiness to more effectively and efficiently collect, analyze, and make decision based on readiness data; and

(B) consideration of cost and schedule.

(3) **SUBMISSION TO CONGRESS.**—Not later than February 1, 2020, the Secretary of Defense shall submit to the congressional defense committees the assessment conducted pursuant to paragraph (1).

(e) **DEFENSE READINESS REPORTING REQUIREMENTS.**—To the maximum extent practicable, the Secretary of Defense shall meet defense readiness reporting requirements consistent with the recommendations of the working group established under subsection (d)(1).

SEC. 359. PRIORITIZATION OF ENVIRONMENTAL IMPACTS FOR FACILITIES SUSTAINMENT, RESTORATION, AND MODERNIZATION DEMOLITION.

The Secretary of Defense shall establish prioritization metrics for facilities deemed eligible for demolition within the Facilities Sustainment, Restoration, and Modernization (FSRM) process. Those metrics shall include full spectrum readiness and environmental impacts, including the removal of contamination.

SEC. 360. SENSE OF CONGRESS RELATING TO SOO LOCKS, SAULT SAINTE MARIE, MICHIGAN.

It is the sense of Congress that—

(1) the Soo Locks in Sault Ste. Marie, Michigan, are of critical importance to the national security of the United States;

(2) the Soo Locks are the only waterway connection from Lake Superior to the Lower Great Lakes and the St. Lawrence Seaway;

(3) only the Poe Lock is of sufficient size to allow for the passage of the largest cargo vessels that transport well over 90 percent of all iron ore mined in the United States, and this lock is nearing the end of its 50-year useful lifespan;

(4) a report issued by the Office of Cyber and Infrastructure Analysis of the Department of Homeland Security concluded that an unscheduled 6-month outage of the Poe Lock would cause—

(A) a dramatic increase in national and regional unemployment; and

(B) 75 percent of Great Lakes steel production, and nearly all North American appliance, automobile, railcar, and construction, farm, and mining equipment production to cease;

(5) the Corps of Engineers is reevaluating a past economic evaluation report to update the benefit-to-cost ratio for building a new lock at the Soo Locks; and

(6) the Secretary of the Army and all relevant Federal agencies should—

(A) expedite the completion of the report described in paragraph (5) and ensure the analysis adequately reflects the critical importance of the Soo Locks infrastructure to the national security and economy of the United States; and

(B) expedite all other necessary reviews, analysis, and approvals needed to speed the required upgrades at the Soo Locks.

SEC. 361. U.S. SPECIAL OPERATIONS COMMAND CIVILIAN PERSONNEL.

Notwithstanding section 143 of title 10, United States Code, of the funds authorized to be appropriated by this Act for Operation and Maintenance, Defense-wide for United States Special Operations Command civilian personnel, not less than \$4,000,000 shall be used to fund additional civilian personnel in or directly supporting the office of the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict to support the Assistant Secretary in fulfilling the additional responsibilities of the Assistant Secretary that were added by the amendments to sections 138(b)(4), 139b, and 167 of title 10, United States Code, made by section 922 of the National Defense Authorization Act for Fiscal Year 2017 (Public Law 114–328).

TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

Subtitle A—Active Forces

Sec. 401. *End strengths for active forces.*

Sec. 402. *Revisions in permanent active duty end strength minimum levels.*

Subtitle B—Reserve Forces

Sec. 411. *End strengths for Selected Reserve.*

Sec. 412. *End strengths for reserves on active duty in support of the reserves.*

Sec. 413. *End strengths for military technicians (dual status).*

Sec. 414. *Maximum number of reserve personnel authorized to be on active duty for operational support.*

Subtitle C—Authorization of Appropriations

Sec. 421. *Military personnel.*

Subtitle A—Active Forces

SEC. 401. END STRENGTHS FOR ACTIVE FORCES.

The Armed Forces are authorized strengths for active duty personnel as of September 30, 2019, as follows:

(1) *The Army, 487,500.*

(2) *The Navy, 335,400.*

(3) *The Marine Corps, 186,100.*

(4) *The Air Force, 329,100.*

SEC. 402. REVISIONS IN PERMANENT ACTIVE DUTY END STRENGTH MINIMUM LEVELS.

Section 691(b) of title 10, United States Code, is amended by striking paragraphs (1) through (4) and inserting the following new paragraphs:

TOTAL RESEARCH, DEVELOPMENT, TEST & EVAL, DW	500,544	500,544	500,544	500,544	500,544	416,383
TOTAL RDT&E	1,307,731	1,267,731	1,307,731	1,307,731	1,223,570	

TITLE XLIII—OPERATION AND MAINTENANCE

SEC. 4301. OPERATION AND MAINTENANCE.

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
OPERATION & MAINTENANCE, ARMY						
OPERATING FORCES						
010	MANEUVER UNITS	2,076,360	1,631,060	2,076,360	-291,000	1,785,360
	Excess growth				[-15,000]	
	Readiness restoration		[9,400]		[9,400]	
	Realign OCO requirements from Base to OCO		[-454,700]		[-285,400]	
020	MODULAR SUPPORT BRIGADES	107,946	109,746	107,946	1,800	109,746
	Readiness restoration		[1,800]		[1,800]	
030	ECHELONS ABOVE BRIGADE	732,485	588,515	732,485	7,600	740,085
	Readiness restoration		[7,600]		[7,600]	
	Realign OCO requirements from Base to OCO		[-151,570]			
040	THEATER LEVEL ASSETS	1,169,508	945,308	1,169,508	18,300	1,187,808
	Readiness restoration		[18,300]		[18,300]	
	Realign OCO requirements from Base to OCO		[-242,500]			
050	LAND FORCES OPERATIONS SUPPORT	1,180,460	1,197,960	1,180,460	17,500	1,197,960
	Readiness restoration		[17,500]		[17,500]	
060	AVIATION ASSETS	1,467,500	1,485,300	1,467,500	-32,200	1,435,300

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
	Readiness restoration		[17,800]		[17,800]	
	Unjustified program growth				[-50,000]	4,285,211
070	FORCE READINESS OPERATIONS SUPPORT	4,285,211	3,680,951	4,285,211		
	Female personal protective equipment		[2,000]			
	Realign OCO requirements from Base to OCO		[-606,260]			
080	LAND FORCES SYSTEMS READINESS	482,201	482,201	482,201		482,201
090	LAND FORCES DEPOT MAINTENANCE	1,536,851	1,375,231	1,536,851	-60,100	1,476,751
	Readiness restoration		[111,200]		[111,200]	
	Realign OCO requirements from Base to OCO		[-272,820]		[-171,300]	
100	BASE OPERATIONS SUPPORT	8,274,299	7,668,039	8,284,299	-14,155	8,260,144
	Operation and Maintenance, Army DSMOA		[-606,260]	[10,000]	[10,000]	
	Realign OCO requirements from Base to OCO					
	Unjustified growth					
110	FACILITIES SUSTAINMENT	3,516,859	2,497,978	3,516,859	[-24,155]	2,472,978
	85% Sustainment		[175,469]		[175,469]	
	Capability Output Level 3 Funding		[25,000]			
	Realignment of FSRM funds to new RM and Demo lines		[-1,219,350]		[-1,219,350]	
111	FACILITIES RESTORATION & MODERNIZATION		1,054,140		1,054,140	1,054,140
	Realignment of FSRM funds to new RM and Demo lines		[1,054,140]		[1,054,140]	
112	FACILITIES DEMOLITION		215,210		215,210	215,210
	Program increase		[50,000]		[50,000]	
	Realignment of FSRM funds to new RM and Demo lines		[165,210]		[165,210]	
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	438,733	438,733	438,733		438,733
180	US AFRICA COMMAND	231,518	231,518	231,518		231,518
190	US EUROPEAN COMMAND	150,268	150,268	150,268		150,268
200	US SOUTHERN COMMAND	195,964	195,964	210,264	14,300	210,264
	SOUTHCOM ABN GFE Sensor (GEOINT/SIGINT)			[4,200]	[4,200]	

210	SOUTHCOM Cyber HUMINT (CME/OPS)	59,625	[1,000]	[1,000]	59,625
	SOUTHCOM OSINT/PAI (CME/LIC/TOOLS)	25,930,788	[1,600]	[1,600]	25,930,302
	SOUTHCOM Overland Airborne ISR Flight Hours	24,007,747	[7,200]	[7,200]	-112,486
	SOUTHCOM SIGINT Suite COMSAT RF	59,625	[300]	[300]	59,625
	US FORCES KOREA	59,625			59,625
	SUBTOTAL OPERATING FORCES	25,930,788			25,930,788
	MOBILIZATION				
220	STRATEGIC MOBILITY	370,941		[1,000]	370,941
230	ARMY REPOSITIONED STOCKS	573,560			573,560
	Realignment of EDI APS Unit Set from OCO to Base	[158,753]			
240	INDUSTRIAL PREPAREDNESS	7,678			7,678
	SUBTOTAL MOBILIZATION	952,179			952,179
	TRAINING AND RECRUITING				
250	OFFICER ACQUISITION	135,832			135,832
260	RECRUIT TRAINING	54,819			54,819
270	ONE STATION UNIT TRAINING	69,599			69,599
280	SENIOR RESERVE OFFICERS TRAINING CORPS	518,998			518,998
290	SPECIALIZED SKILL TRAINING	1,020,073		-13,000	1,007,073
	Program decrease unaccounted for			[-13,000]	
300	FLIGHT TRAINING	1,082,190			1,082,190
310	PROFESSIONAL DEVELOPMENT EDUCATION	220,399			220,399
320	TRAINING SUPPORT	611,482			611,482
330	RECRUITING AND ADVERTISING	698,962		-86,877	612,085
	Marketing Cuts			[-86,877]	
340	EXAMINING	162,049			162,049
350	OFF-DUTY AND VOLUNTARY EDUCATION	215,622			215,622
360	CIVILIAN EDUCATION AND TRAINING	176,914			176,914
370	JUNIOR RESERVE OFFICER TRAINING CORPS	174,430		3,140	177,570
	Program increase	[3,140]		[3,140]	
	SUBTOTAL TRAINING AND RECRUITING	5,141,369			5,044,632

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
ADMIN & SRVWIDE ACTIVITIES						
390	SERVICEMIDE TRANSPORTATION	588,047	436,447	588,047		588,047
	Realign OCO requirements from Base to OCO		[-151,600]			
400	CENTRAL SUPPLY ACTIVITIES	931,462	931,462	931,462		931,462
410	LOGISTIC SUPPORT ACTIVITIES	696,114	696,114	696,114		696,114
420	AMMUNITION MANAGEMENT	461,637	461,637	461,637		461,637
430	ADMINISTRATION	447,564	447,564	447,564		447,564
440	SERVICEMIDE COMMUNICATIONS	2,069,127	2,069,127	2,069,127		2,069,127
450	MANPOWER MANAGEMENT	261,021	261,021	261,021		261,021
460	OTHER PERSONNEL SUPPORT	379,541	379,541	379,541		379,541
470	OTHER SERVICE SUPPORT	1,699,767	1,699,767	1,699,767	-12,000	1,687,767
	Program decrease unaccounted for				[-12,000]	
480	ARMY CLAIMS ACTIVITIES	192,686	192,686	192,686		192,686
490	REAL ESTATE MANAGEMENT	240,917	240,917	240,917		240,917
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	291,569	291,569	291,569		291,569
510	INTERNATIONAL MILITARY HEADQUARTERS	442,656	442,656	442,656		442,656
520	MISC. SUPPORT OF OTHER NATIONS	48,251	58,251	48,251		48,251
	NATO Cooperative Cyber Defense Center of Excellence		[5,000]			
	NATO Strategic Communications Center of Excellence		[5,000]			
565	CLASSIFIED PROGRAMS	1,259,622	1,259,622	1,259,622		1,259,622
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	10,009,981	9,868,381	10,009,981	-12,000	9,997,981
UNDISTRIBUTED						
570	UNDISTRIBUTED		-894,500	-200,000	-710,000	-710,000
	Army misrepresentation of civilian pay budget request			[-200,000]	[-100,000]	
	Foreign Currency adjustments		[-210,300]		[-137,000]	

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
140	SERVICEWIDE COMMUNICATIONS	25,069	25,069	25,069		25,069
150	MANPOWER MANAGEMENT	6,248	6,248	6,248		6,248
160	RECRUITING AND ADVERTISING	58,181	58,181	58,181		58,181
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	119,548	119,548	119,548		119,548
	TOTAL OPERATION & MAINTENANCE, ARMY RES	2,916,909	2,946,909	2,916,909	14,000	2,930,909
	OPERATION & MAINTENANCE, ARNG					
	OPERATING FORCES					
010	MANEUVER UNITS	810,269	810,269	810,269	-20,000	790,269
	Unjustified growth				[-20,000]	
020	MODULAR SUPPORT BRIGADES	193,402	193,402	193,402		193,402
030	ECHELONS ABOVE BRIGADE	753,815	753,815	753,815		753,815
040	THEATER LEVEL ASSETS	84,124	84,124	84,124		84,124
050	LAND FORCES OPERATIONS SUPPORT	31,881	31,881	31,881		31,881
060	AVIATION ASSETS	973,874	973,874	973,874		973,874
070	FORCE READINESS OPERATIONS SUPPORT	784,086	784,086	784,086		784,086
080	LAND FORCES SYSTEMS READINESS	51,353	51,353	51,353		51,353
090	LAND FORCES DEPOT MAINTENANCE	221,633	221,633	221,633		221,633
100	BASE OPERATIONS SUPPORT	1,129,942	1,129,942	1,129,942	-15,000	1,114,942
	Program decrease unaccounted for				[-15,000]	
110	FACILITIES SUSTAINMENT	919,947	888,760	919,947	-31,187	888,760
	Realignment of FSRM funds to new RM and Demo lines		[-101,187]		[-101,187]	
	Sustainment recovery		[70,000]		[70,000]	
111	FACILITIES RESTORATION & MODERNIZATION	85,859	85,859	85,859		85,859
	Realignment of FSRM funds to new RM and Demo lines		[85,859]		[85,859]	
112	FACILITIES DEMOLITION		15,328			15,328

120	Realignment of FSRM funds to new RM and Demo lines			[15,328]		
	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,010,524	1,010,524	1,010,524	1,010,524	1,010,524
	SUBTOTAL OPERATING FORCES	6,964,850	7,034,850	6,964,850	35,000	6,999,850
ADMIN & SRVWD ACTIVITIES						
130	SERVICEWIDE TRANSPORTATION	10,017	10,017	10,017		10,017
140	ADMINISTRATION	72,746	72,746	72,746		72,746
150	SERVICEWIDE COMMUNICATIONS	83,105	83,105	83,105		83,105
160	MANPOWER MANAGEMENT	10,678	10,678	10,678		10,678
170	OTHER PERSONNEL SUPPORT	254,753	254,753	254,753		254,753
180	REAL ESTATE MANAGEMENT	3,146	3,146	3,146		3,146
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	434,445	434,445	434,445		434,445
	TOTAL OPERATION & MAINTENANCE, ARNG	7,399,295	7,469,295	7,399,295	35,000	7,434,295
OPERATION & MAINTENANCE, NAVY						
OPERATING FORCES						
010	MISSION AND OTHER FLIGHT OPERATIONS	5,372,399	5,372,399	5,372,399		5,372,478
	Unjustified growth				-44,921	
020	FLEET AIR TRAINING	2,023,351	2,014,593	2,023,351	[-44,921]	2,021,351
	Advanced skills management		[-8,758]			
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES	56,225	56,225	56,225		56,225
040	AIR OPERATIONS AND SAFETY SUPPORT	156,081	156,081	156,081		156,081
050	AIR SYSTEMS SUPPORT	682,379	682,379	682,379		676,440
	Unjustified growth				-5,939	
060	AIRCRAFT DEPOT MAINTENANCE	1,253,756	1,291,156	1,253,756	[-5,939]	1,291,156
	Readiness restoration		[37,400]		37,400	
070	AIRCRAFT DEPOT OPERATIONS SUPPORT	66,649	66,649	66,649	[37,400]	66,649
080	AVIATION LOGISTICS	939,368	945,768	939,368		939,368
	Readiness restoration		[6,400]			
090	MISSION AND OTHER SHIP OPERATIONS	4,439,566	4,439,566	4,439,566		4,413,287
	Excess growth				-26,279	
					[-26,279]	

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
100	SHIP OPERATIONS SUPPORT & TRAINING	997,663	997,663	997,663		997,663
110	SHIP DEPOT MAINTENANCE	8,751,526	8,900,126	8,751,526	148,600	8,900,126
	Readiness restoration		[116,600]		[116,600]	
	Western Pacific Dry Dock capability		[32,000]		[32,000]	
120	SHIP DEPOT OPERATIONS SUPPORT	2,168,876	2,168,876	2,168,876		2,168,876
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	1,349,593	1,349,593	1,351,293	-23,300	1,326,293
	Fiscal year 2018 decrease not properly accounted				[-25,000]	
	SOUTHCOM CCO Sensor Integration			[1,700]	[1,700]	
150	SPACE SYSTEMS AND SURVEILLANCE	215,255	215,255	215,255		215,255
160	WARFARE TACTICS	632,446	632,446	632,446	-15,000	617,446
	Unjustified growth				[-15,000]	
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	373,046	373,046	373,046		373,046
180	COMBAT SUPPORT FORCES	1,452,075	1,452,075	1,452,075		1,452,075
190	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	153,719	153,719	153,719		153,719
210	COMBATANT COMMANDERS CORE OPERATIONS	63,039	63,039	63,039		63,039
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	89,339	89,339	89,339		89,339
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,475	8,475	8,475		8,475
240	CYBERSPACE ACTIVITIES	424,088	424,088	424,088		424,088
260	FLEET BALLISTIC MISSILE	1,361,947	1,361,947	1,361,947		1,361,947
280	WEAPONS MAINTENANCE	823,952	819,452	823,952		823,952
	Insufficient budget justification for submarine acoustic systems		[-4,500]			
290	OTHER WEAPON SYSTEMS SUPPORT	494,101	494,101	494,101		494,101
300	ENTERPRISE INFORMATION	921,936	921,936	876,936	-45,000	876,936
	General reduction			[-45,000]		
310	FACILITIES SUSTAINMENT	2,040,389	1,712,222	2,446,389	-53,747	1,986,642
	85% Sustainment		[101,000]			
	Capability Output Level 3 Funding		[20,000]			

	FSRM to 100% max executable		[406,000]	[310,000]	
	Project oversight (Unjustified Growth)	[–85,420]			
	Realignment of FSRM funds to new RM and Demo lines	[–363,747]			
311	FACILITIES RESTORATION & MODERNIZATION	243,745		243,745	
	Realignment of FSRM funds to new RM and Demo lines	[243,745]			
312	FACILITIES DEMOLITION	160,002		160,002	
	Program Increase	[40,000]			
	Realignment of FSRM funds to new RM and Demo lines	[120,002]			
320	BASE OPERATING SUPPORT	4,414,753	4,414,753		4,414,753
	SUBTOTAL OPERATING FORCES	41,980,714	42,088,692	373,561	42,099,553
	MOBILIZATION				
330	SHIP PREPOSITIONING AND SURGE	549,142	549,142		549,142
	Realign DoD Mobilization Alternation to NDSF	400,545			
	Realign LG Med Spd RO/RO Maintenance to NDSF	[–20,858]			
340	READY RESERVE FORCE	[–127,739]	310,805		310,805
	Realign Ready Reserve Forces to NDSF	[–310,805]			
360	SHIP ACTIVATIONS/INACTIVATIONS	161,150	161,150		161,150
370	EXPEDITIONARY HEALTH SERVICES SYSTEMS	120,338	120,338		120,338
	Realign T-AH Maintenance to NDSF	[–72,350]			
390	COAST GUARD SUPPORT	24,097	24,097		24,097
	SUBTOTAL MOBILIZATION	633,780	1,165,532		1,165,532
	TRAINING AND RECRUITING				
400	OFFICER ACQUISITION	145,481	145,481		145,481
410	RECRUIT TRAINING	9,637	9,637		9,637
420	RESERVE OFFICERS TRAINING CORPS	149,687	149,687		149,687
430	SPECIALIZED SKILL TRAINING	879,557	879,557		879,557
	Ready, Relevant Learning funding ahead of need			–86,000	
450	PROFESSIONAL DEVELOPMENT EDUCATION	186,136	184,436	[–86,000]	186,136
	Naval Sea Cadets	[1,700]		1,700	
460	TRAINING SUPPORT	223,159	223,159	[1,700]	223,159

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
470	RECRUITING AND ADVERTISING	181,086	181,086	181,086		181,086
480	OFF-DUTY AND VOLUNTARY EDUCATION	96,006	96,006	96,006		96,006
490	CIVILIAN EDUCATION AND TRAINING	72,083	72,083	72,083		72,083
500	JUNIOR ROTC	54,156	55,106	54,156	950	55,106
	Program increase		[950]		[950]	
	SUBTOTAL TRAINING AND RECRUITING	1,995,288	1,997,938	1,995,288	-83,350	1,911,938
	ADMIN & SRVWD ACTIVITIES					
510	ADMINISTRATION	1,089,964	1,083,964	1,089,964	-20,000	1,069,964
	Program decrease		[-6,000]		[-20,000]	
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	164,074	164,074	164,074		164,074
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	418,350	418,350	418,350		418,350
580	SERVICEWIDE TRANSPORTATION	167,106	167,106	167,106		167,106
600	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	333,556	333,556	333,556		333,556
610	ACQUISITION, LOGISTICS, AND OVERSIGHT	663,690	663,690	663,690		663,690
650	INVESTIGATIVE AND SECURITY SERVICES	705,087	705,087	705,087		705,087
765	CLASSIFIED PROGRAMS	574,994	574,994	574,994	10,000	584,994
	Classified adjustment				[10,000]	
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,116,821	4,110,821	4,116,821	-10,000	4,106,821
	UNDISTRIBUTED					
770	UNDISTRIBUTED		-398,100		-269,600	-269,600
	Foreign Currency adjustments		[-55,100]		[-35,900]	
	Historical unobligated balances		[-343,000]		[-233,700]	
	SUBTOTAL UNDISTRIBUTED		-398,100		-269,600	-269,600
	TOTAL OPERATION & MAINTENANCE, NAVY	49,003,633	48,325,153	49,366,333	10,611	49,014,244

OPERATION & MAINTENANCE, MARINE CORPS						
OPERATING FORCES						
010	OPERATIONAL FORCES	873,320	885,720	873,320	9,915	883,235
	Additional parts & spares to support intermediate & organizational maintenance		[8,200]		[8,200]	
	Additional training requirements		[4,200]		[4,200]	
	Unjustified growth				[-2,485]	
020	FIELD LOGISTICS	1,094,187	1,094,187	1,094,187		1,094,187
030	DEPOT MAINTENANCE	314,182	341,082	314,182	26,900	341,082
	Readiness restoration		[26,900]		[26,900]	
040	MARITIME PREPOSITIONING	98,136	98,136	98,136		98,136
050	CYBERSPACE ACTIVITIES	183,546	183,546	183,546		183,546
060	FACILITIES SUSTAINMENT	832,636	746,354	832,636	-96,282	736,354
	85% Sustainment		[42,400]		[42,400]	
	Capability Output Level 3 Funding		[10,000]			
	Realignment of FSRM funds to new RM and Demo lines		[-138,682]		[-138,682]	
061	FACILITIES RESTORATION & MODERNIZATION		61,469		61,469	61,469
	Realignment of FSRM funds to new RM and Demo lines		[61,469]		[61,469]	
062	FACILITIES DEMOLITION		107,213		107,213	107,213
	Program increase		[30,000]		[30,000]	
	Realignment of FSRM funds to new RM and Demo lines		[77,213]		[77,213]	
070	BASE OPERATING SUPPORT	2,151,390	2,151,390	2,151,390	-35,000	2,116,390
	Program decrease unaccounted for				[-35,000]	
	SUBTOTAL OPERATING FORCES	5,547,397	5,669,097	5,547,397	74,215	5,621,612
TRAINING AND RECRUITING						
080	RECRUIT TRAINING	16,453	16,453	16,453		16,453
090	OFFICER ACQUISITION	1,144	1,144	1,144		1,144
100	SPECIALIZED SKILL TRAINING	106,360	106,360	106,360		106,360
110	PROFESSIONAL DEVELOPMENT EDUCATION	46,096	46,096	46,096		46,096
120	TRAINING SUPPORT	389,751	389,751	389,751		389,751

SEC. 4301. OPERATION AND MAINTENANCE
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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
130	RECRUITING AND ADVERTISING	201,662	201,662	201,662		201,662
140	OFF-DUTY AND VOLUNTARY EDUCATION	32,461	32,461	32,461		32,461
150	JUNIOR ROTC	24,217	24,607	24,217	390	24,607
	Program increase		[390]		[390]	
	SUBTOTAL TRAINING AND RECRUITING	818,144	818,534	818,144	390	818,534
	ADMIN & SRVWD ACTIVITIES					
160	SERVICEWIDE TRANSPORTATION	29,735	29,735	29,735		29,735
170	ADMINISTRATION	386,375	386,375	386,375	-10,000	376,375
	Fiscal year 2018 decrease not properly accounted				[-10,000]	
225	CLASSIFIED PROGRAMS	50,859	50,859	50,859		50,859
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	466,969	466,969	466,969	-10,000	456,969
	UNDISTRIBUTED					
230	UNDISTRIBUTED		-43,600		-29,400	-29,400
	Foreign Currency adjustments		[-13,600]		[-8,900]	
	Historical unobligated balances		[-30,000]		[-20,500]	
	SUBTOTAL UNDISTRIBUTED		-43,600		-29,400	-29,400
	TOTAL OPERATION & MAINTENANCE, MARINE CORPS	6,832,510	6,911,000	6,832,510	35,205	6,867,715
	OPERATION & MAINTENANCE, NAVY RES					
	OPERATING FORCES					
010	MISSION AND OTHER FLIGHT OPERATIONS	569,584	569,584	569,584		569,584
020	INTERMEDIATE MAINTENANCE	6,902	6,902	6,902		6,902
030	AIRCRAFT DEPOT MAINTENANCE	109,776	109,776	109,776		109,776
040	AIRCRAFT DEPOT OPERATIONS SUPPORT	538	538	538		538

050	AVIATION LOGISTICS	18,888	18,888	18,888	18,888
060	SHIP OPERATIONS SUPPORT & TRAINING	574	574	574	574
070	COMBAT COMMUNICATIONS	17,561	17,561	17,561	17,561
080	COMBAT SUPPORT FORCES	121,070	121,070	121,070	119,030
	Insufficient budget justification			-2,040	
				[-2,040]	
090	CYBERSPACE ACTIVITIES	337	337	337	337
100	ENTERPRISE INFORMATION	23,964	23,964	23,964	23,964
110	FACILITIES SUSTAINMENT	36,356	41,151	36,356	41,151
	Realignment of FSRM funds to new RM and Demo lines		[-5,205]	4,795	
	Sustainment recovery		[10,000]		
111	FACILITIES RESTORATION & MODERNIZATION	3,205	3,205	3,205	3,205
	Realignment of FSRM funds to new RM and Demo lines		[3,205]		
112	FACILITIES DEMOLITION	2,000	2,000	2,000	2,000
	Realignment of FSRM funds to new RM and Demo lines		[2,000]		
120	BASE OPERATING SUPPORT	103,562	103,562	103,562	103,562
	SUBTOTAL OPERATING FORCES	1,009,112	1,019,112	1,009,112	1,017,072
	ADMIN & SRVWD ACTIVITIES				
130	ADMINISTRATION	1,868	1,868	1,868	1,868
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,849	12,849	12,849	12,849
160	ACQUISITION AND PROGRAM MANAGEMENT	3,177	3,177	3,177	3,177
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	17,894	17,894	17,894	17,894
	TOTAL OPERATION & MAINTENANCE, NAVY RES	1,027,006	1,037,006	1,027,006	1,034,966
	OPERATION & MAINTENANCE, MC RESERVE				
	OPERATING FORCES				
010	OPERATING FORCES	99,173	107,873	99,173	101,173
	Additional training requirements		[8,700]		
020	DEPOT MAINTENANCE	19,430	19,430	19,430	19,430
030	FACILITIES SUSTAINMENT	39,962	25,666	39,962	25,666
	Realignment of FSRM funds to new RM and Demo lines		[-22,296]		

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
031	Sustainment recovery		[8,000]		[8,000]	
	FACILITIES RESTORATION & MODERNIZATION		22,296		22,296	22,296
	Realignment of FSRM funds to new RM and Demo lines		[22,296]		[22,296]	
040	BASE OPERATING SUPPORT	101,829	101,829	101,829		101,829
	SUBTOTAL OPERATING FORCES	260,394	277,094	260,394	10,000	270,394
	ADMIN & SRVWD ACTIVITIES					
050	ADMINISTRATION	11,176	11,176	11,176		11,176
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	11,176	11,176	11,176		11,176
	TOTAL OPERATION & MAINTENANCE, MC RESERVE	271,570	288,270	271,570	10,000	281,570
	OPERATION & MAINTENANCE, AIR FORCE					
	OPERATING FORCES					
010	PRIMARY COMBAT FORCES	758,178	758,178	783,178	25,000	783,178
	Increase for F-35 sustainment to accelerate depot component repair capability			[25,000]	[25,000]	
020	COMBAT ENHANCEMENT FORCES	1,509,027	1,509,027	1,509,027	-282,000	1,227,027
	Programming error—BACN				[-282,000]	
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,323,330	1,323,330	1,323,330		1,323,330
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE	3,511,830	3,596,330	3,511,830	71,340	3,583,170
	Fiscal year 2018 decrease not properly accounted				[-13,160]	
	Readiness restoration		[46,500]		[46,500]	
	Restoration of U-2 Tail #80-1099		[38,000]		[38,000]	
050	FACILITIES SUSTAINMENT	2,892,705	2,621,824	2,892,705	-293,881	2,598,824
	85% Sustainment		[152,000]		[152,000]	
	Capability Output Level 3 Funding		[23,000]			
	Realignment of FSRM funds to new RM and Demo lines		[-445,881]		[-445,881]	

051	FACILITIES RESTORATION & MODERNIZATION	420,861	420,861	420,861	420,861
	Realignment of FSRM funds to new RM and Demo lines	[420,861]	[420,861]	[420,861]	[420,861]
052	FACILITIES DEMOLITION	67,020	67,020	67,020	67,020
	Program increase	[42,000]	[42,000]	[42,000]	[42,000]
	Realignment of FSRM funds to new RM and Demo lines	[25,020]	[25,020]	[25,020]	[25,020]
060	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	7,613,084	7,687,884	380,700	7,993,784
	Increase for JSTARS buy-back			[95,900]	
	Readiness restoration	[74,800]	[74,800]	[74,800]	
	Unjustified growth			[−90,000]	
	WSS to 100% executable		[550,000]	[300,000]	
070	FLYING HOUR PROGRAM	4,345,208	4,345,208	−102,409	4,242,799
	Increase for JSTARS buy-back		[50,000]	[50,000]	
	Unjustified growth		[−152,409]	[−152,409]	
080	BASE SUPPORT	5,989,215	5,989,215	5,989,215	5,989,215
090	GLOBAL C3I AND EARLY WARNING	928,023	928,023	928,023	928,023
100	OTHER COMBAT OPS SPT PROGRAMS	1,080,956	1,080,956	1,080,956	1,080,956
110	CYBERSPACE ACTIVITIES	879,032	879,032	879,032	813,032
	Air Force requested transfer to SAG 42B			[−66,000]	
130	LAUNCH FACILITIES	183,777	183,777	183,777	183,777
140	SPACE CONTROL SYSTEMS	404,072	404,072	404,072	404,072
170	US NORTHCOM/NORAD	187,375	187,375	187,375	187,375
180	US STRATCOM	529,902	529,902	529,902	529,902
190	US CYBERCOM	329,474	329,474	329,474	329,474
200	US CENTCOM	166,024	166,024	166,024	166,024
210	US SOCOM	723	723	723	723
220	US TRANSCOM	535	535	535	535
225	CLASSIFIED PROGRAMS	1,164,810	1,164,810	1,164,810	1,164,810
	SUBTOTAL OPERATING FORCES	33,797,280	34,173,580	220,631	34,017,911
MOBILIZATION					
230	AIRLIFT OPERATIONS	1,307,695	1,307,695	−65,000	1,242,695
	Fiscal year 2018 decrease not properly accounted			[−65,000]	

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
240	MOBILIZATION PREPAREDNESS	144,417	144,417	144,417		144,417
	SUBTOTAL MOBILIZATION	1,452,112	1,452,112	1,452,112	-65,000	1,387,112
	TRAINING AND RECRUITING					
280	OFFICER ACQUISITION	133,187	133,187	133,187		133,187
290	RECRUIT TRAINING	25,041	25,041	25,041		25,041
300	RESERVE OFFICERS TRAINING CORPS (ROTC)	117,338	117,338	117,338		117,338
330	SPECIALIZED SKILL TRAINING	401,996	401,996	401,996		401,996
340	FLIGHT TRAINING	477,064	477,064	477,064		477,064
350	PROFESSIONAL DEVELOPMENT EDUCATION	276,423	276,423	276,423		276,423
360	TRAINING SUPPORT	95,948	95,948	95,948		95,948
380	RECRUITING AND ADVERTISING	154,530	154,530	154,530		154,530
390	EXAMINING	4,132	4,132	4,132		4,132
400	OFF-DUTY AND VOLUNTARY EDUCATION	223,150	223,150	223,150		223,150
410	CIVILIAN EDUCATION AND TRAINING	209,497	209,497	209,497		209,497
420	JUNIOR ROTC	59,908	60,908	59,908	1,000	60,908
	Program increase		[1,000]		[1,000]	
	SUBTOTAL TRAINING AND RECRUITING	2,178,214	2,179,214	2,178,214	1,000	2,179,214
	ADMIN & SRVWD ACTIVITIES					
430	LOGISTICS OPERATIONS	681,788	681,788	681,788		681,788
440	TECHNICAL SUPPORT ACTIVITIES	117,812	117,812	117,812		117,812
480	ADMINISTRATION	953,102	953,102	953,102		933,102
	Unjustified growth				-20,000	
490	SERVICEWIDE COMMUNICATIONS	358,389	358,389	358,389	[66,000]	424,389
	Air Force requested transfer from SAG 12D				[66,000]	
500	OTHER SERVICEWIDE ACTIVITIES	1,194,862	1,194,862	1,194,862		1,194,862

510	CIVIL AIR PATROL	29,594	29,594	29,594	29,594	
540	INTERNATIONAL SUPPORT	74,959	74,959	74,959	74,959	
545	CLASSIFIED PROGRAMS	1,222,456	1,222,456	1,222,456	1,222,456	
	SUBTOTAL ADMIN & SRVWD ACTIVITIES	4,632,962	4,632,962	4,632,962	4,632,962	46,000
	UNDISTRIBUTED					
550	UNDISTRIBUTED		156,800	156,800	156,800	-164,600
	Foreign Currency adjustments	-455,200				[-68,000]
	Historical unobligated balances	[-104,500]				[-239,000]
	Procurement of 7 DABs for PACOM	[-350,700]				[142,400]
	SUBTOTAL UNDISTRIBUTED	-455,200	156,800	156,800	156,800	-164,600
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	42,060,568	41,982,668	42,963,268	42,963,268	38,031
	OPERATION & MAINTENANCE, AF RESERVE					
	OPERATING FORCES					
010	PRIMARY COMBAT FORCES	1,853,437	1,853,437	1,853,437	1,853,437	-15,000
	Unjustified growth					[-15,000]
020	MISSION SUPPORT OPERATIONS	205,369	205,369	205,369	205,369	
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	345,576	347,476	345,576	345,576	1,900
	Readiness restoration		[1,900]			[1,900]
040	FACILITIES SUSTAINMENT	120,736	123,103	123,536	123,536	-8,833
	Additional demo			[2,800]		[2,800]
	Realignment of FSRM funds to new RM and Demo lines		[-27,633]			[-27,633]
	Sustainment recovery		[30,000]			[16,000]
041	FACILITIES RESTORATION & MODERNIZATION		27,633	27,633	27,633	27,633
	Realignment of FSRM funds to new RM and Demo lines		[27,633]			[27,633]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	241,239	259,939	293,239	293,239	52,000
	Readiness restoration		[18,700]			[52,000]
060	BASE SUPPORT	385,922	385,922	385,922	385,922	
	SUBTOTAL OPERATING FORCES	3,152,279	3,202,879	3,207,079	3,207,079	57,700
	TOTAL OPERATION & MAINTENANCE, AIR FORCE	42,060,568	41,982,668	42,963,268	42,963,268	38,031

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
ADMINISTRATION AND SERVICEWIDE ACTIVITIES						
070	ADMINISTRATION	71,188	71,188	71,188		71,188
080	RECRUITING AND ADVERTISING	19,429	19,429	19,429		19,429
090	MILITARY MANPOWER AND PERS MGMT (ARPC)	9,386	9,386	9,386		9,386
100	OTHER PERS SUPPORT (DISABILITY COMP)	7,512	7,512	7,512		7,512
110	AUDIOVISUAL	440	440	440		440
	SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES	107,955	107,955	107,955		107,955
	TOTAL OPERATION & MAINTENANCE, AF RESERVE	3,260,234	3,310,834	3,315,034	57,700	3,317,934
OPERATION & MAINTENANCE, ANG						
OPERATING FORCES						
010	AIRCRAFT OPERATIONS	2,619,940	2,619,940	2,621,540	-38,400	2,581,540
	Restoring O&M associated with buyback of 3 PMAI JSTARS aircraft			[1,600]	[1,600]	
	Unjustified program growth				[-40,000]	
020	MISSION SUPPORT OPERATIONS	623,265	623,265	623,265		623,265
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE	748,287	748,287	748,287		748,287
040	FACILITIES SUSTAINMENT	303,792	289,700	303,792	-14,092	289,700
	Realignment of FSRM funds to new RM and Demo lines		[-34,092]		[-34,092]	
	Sustainment recovery		[20,000]		[20,000]	
041	FACILITIES RESTORATION & MODERNIZATION		31,696	31,696		31,696
	Realignment of FSRM funds to new RM and Demo lines		[31,696]		[31,696]	
042	FACILITIES DEMOLITION		2,396			2,396
	Realignment of FSRM funds to new RM and Demo lines		[2,396]		[2,396]	
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,061,759	1,064,759	1,061,759	3,000	1,064,759
	Readiness restoration		[3,000]		[3,000]	
060	BASE SUPPORT	988,333	989,233	999,333	11,900	1,000,233

	PFAS Transfer			[11,000]		
	Readiness restoration			[900]		
	SUBTOTAL OPERATING FORCES	6,345,376	6,369,276	6,357,976	-3,500	6,341,876
ADMINISTRATION AND SERVICE-WIDE ACTIVITIES						
070	ADMINISTRATION	45,711	45,711	45,711		45,711
080	RECRUITING AND ADVERTISING	36,535	36,535	36,535		36,535
	SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES	82,246	82,246	82,246		82,246
	TOTAL OPERATION & MAINTENANCE, ANG	6,427,622	6,451,522	6,440,222	-3,500	6,424,122
OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES						
010	JOINT CHIEFS OF STAFF	430,215	430,215	432,715	2,500	432,715
	Operational logistics exercise elements			[2,500]		
020	JOINT CHIEFS OF STAFF—CE2T2	602,186	602,186	602,186		602,186
040	SPECIAL OPERATIONS COMMAND/OPERATING FORCES	5,389,250	5,215,250	5,389,250	-77,050	5,312,200
	Civilian pay ahead of need		[-10,700]			[-10,700]
	Communications		[-20,000]			
	DCGS-SOF		[-10,000]			
	MC-12 ahead of need		[-33,300]			
	Program decrease		[-100,000]			
	SUBTOTAL OPERATING FORCES	6,421,651	6,247,651	6,424,151	[-66,350]	6,347,101
TRAINING AND RECRUITING						
050	DEFENSE ACQUISITION UNIVERSITY	181,601	172,501	181,601		181,601
	Efficiencies within the 4th estate		[-9,100]			
060	JOINT CHIEFS OF STAFF	96,565	96,565	96,565		96,565
070	SPECIAL OPERATIONS COMMAND/TRAINING AND RECRUITING	370,583	370,583	370,583		370,583
	SUBTOTAL TRAINING AND RECRUITING	648,749	639,649	648,749		648,749
ADMIN & SRVWIDE ACTIVITIES						

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Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
080	CIVIL MILITARY PROGRAMS	166,131	186,131	166,131	15,000	181,131
	STARBASE		[20,000]		[15,000]	
100	DEFENSE CONTRACT AUDIT AGENCY	625,633	594,333	625,633		625,633
	Efficiencies within the 4th estate		[-31,300]			
110	DEFENSE CONTRACT MANAGEMENT AGENCY	1,465,354	1,392,054	1,465,354		1,465,354
	Efficiencies within the 4th estate		[-73,300]			
120	DEFENSE HUMAN RESOURCES ACTIVITY	859,923	816,923	859,923		859,923
	Efficiencies within the 4th estate		[-43,000]			
130	DEFENSE INFORMATION SYSTEMS AGENCY	2,106,930	2,001,630	2,106,930	-1,935	2,104,995
	Efficiencies within the 4th estate		[-105,300]			
	Excess growth				[-1,935]	
150	DEFENSE LEGAL SERVICES AGENCY	27,403	26,003	27,403		27,403
	Efficiencies within the 4th estate		[-1,400]			
160	DEFENSE LOGISTICS AGENCY	379,275	385,750	379,275	8,500	387,775
	Efficiencies within the 4th estate		[-19,000]			
	Procurement Technical Assistance Program (PTAP)		[25,475]		[8,500]	
170	DEFENSE MEDIA ACTIVITY	207,537	197,137	207,537		207,537
	Efficiencies within the 4th estate		[-10,400]			
180	DEFENSE PERSONNEL ACCOUNTING AGENCY	130,696	130,696	130,696		130,696
190	DEFENSE SECURITY COOPERATION AGENCY	754,711	760,711	754,711	-67,967	686,744
	Increase for Assessment, Monitoring, and Evaluation of Security Cooperation Activities		[6,000]			
	Program reduction—maintain level of effort				[-67,967]	
200	DEFENSE SECURITY SERVICE	789,175	789,175	852,775	-10,000	779,175
	Additional civilian FTE			[18,600]		
	New mission needs			[45,000]		
	Program excess growth				[-10,000]	

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
315	CLASSIFIED PROGRAMS	15,645,192	15,645,192	15,645,192		15,645,192
	SUBTOTAL ADMIN & SRVWIDE ACTIVITIES	29,282,225	29,137,300	29,441,825	61,598	29,343,823
	UNDISTRIBUTED					
320	UNDISTRIBUTED		-411,300		-279,800	-279,800
	Electronic physical access control systems		[500]			
	Foreign Currency adjustments		[-26,400]		[-17,200]	
	Historical unobligated balances		[-385,400]		[-262,600]	
	Research on women's contributions to security		[150]			
	Undistributed reduction		[-150]			
	SUBTOTAL UNDISTRIBUTED		-411,300		-279,800	-279,800
	TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE	36,352,625	35,613,300	36,514,725	-292,752	36,059,873
	US COURT OF APPEALS FOR ARMED FORCES, DEF ADMINISTRATION AND ASSOCIATED ACTIVITIES					
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE	14,662	14,662	14,662		14,662
	SUBTOTAL ADMINISTRATION AND ASSOCIATED ACTIVITIES	14,662	14,662	14,662		14,662
	TOTAL US COURT OF APPEALS FOR ARMED FORCES, DEF	14,662	14,662	14,662		14,662
	DOD ACQUISITION WORKFORCE DEVELOPMENT FUND					
	ACQUISITION WORKFORCE DEVELOPMENT					
010	ACC WORKFORCE DEV FD	400,000	400,000	400,000		400,000
	SUBTOTAL ACQUISITION WORKFORCE DEVELOPMENT	400,000	400,000	400,000		400,000
	TOTAL DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	400,000	400,000	400,000		400,000

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

Line	Item	FY 2019 Request	House Authorized	Senate Authorized	Conference Change	Conference Authorized
DEPARTMENT OF THE AIR FORCE						
100	ENVIRONMENTAL RESTORATION, AIR FORCE	296,808	346,808	285,808	39,000	335,808
	PFOS/PFOA remediation increase		[50,000]		[50,000]	
	PFOS/PFOA remediation to ANG			[-11,000]	[-11,000]	
	SUBTOTAL DEPARTMENT OF THE AIR FORCE	296,808	346,808	285,808	39,000	335,808
	TOTAL ENVIRONMENTAL RESTORATION, AIR FORCE	296,808	346,808	285,808	39,000	335,808
ENVIRONMENTAL RESTORATION, DEFENSE						
DEFENSE-WIDE						
120	ENVIRONMENTAL RESTORATION, DEFENSE	8,926	8,926	8,926		8,926
	SUBTOTAL DEFENSE-WIDE	8,926	8,926	8,926		8,926
	TOTAL ENVIRONMENTAL RESTORATION, DEFENSE	8,926	8,926	8,926		8,926
ENVIRONMENTAL RESTORATION FORMERLY USED SITES						
DEFENSE-WIDE						
140	ENVIRONMENTAL RESTORATION FORMERLY USED SITES	212,346	212,346	212,346		212,346
	SUBTOTAL DEFENSE-WIDE	212,346	212,346	212,346		212,346
	TOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES	212,346	212,346	212,346		212,346
UNDISTRIBUTED						
UNDISTRIBUTED						
010	UNDISTRIBUTED					
	Foreign Currency Fluctuation			-226,520		
	JROTC			[-267,000]		
				[5,480]		

Operation and Maintenance, Air Force DSMOA	[10,000]			
Operation and Maintenance, Air National Guard DSMOA	[15,000]			
Operation and Maintenance, Navy DSMOA	[10,000]			
SUBTOTAL UNDISTRIBUTED	-226,520			

TOTAL UNDISTRIBUTED	-226,520			
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TOTAL OPERATION & MAINTENANCE	199,469,636	195,551,373	200,351,316	-959,968	198,509,668
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