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DEPARTMENT OF DEFENSE APPROPRIATIONS BILL, 2024

JULY 27, 2023.—Ordered to be printed

Mr. TESTER, from the Committee on Appropriations, submitted the following

REPORT

[To accompany S. 2587]

The Committee on Appropriations reports an original bill (S. 2587) making appropriations for the Department of Defense for the fiscal year ending September 30, 2024, and for other purposes, reports favorably thereon without amendment and recommends that the bill do pass.

New obligational authority

Total of bill as reported to the Senate	$831,751,268,000
Amount of 2023 appropriations	833,994,228,000
Amount of 2024 budget estimate	826,648,377,000
Bill as recommended to Senate compared to—	
2023 appropriations	−2,242,900,000
2024 budget estimate	+5,102,891,000

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BACKGROUND

PURPOSE OF THE BILL

This bill makes appropriations for the military functions of the Department of Defense for the period October 1, 2023, through September 30, 2024. Functional areas include the pay, allowances, and support of military personnel, operation and maintenance of the forces, procurement of equipment and systems, and research, development, test and evaluation. Appropriations for foreign military assistance, military construction, family housing, nuclear weapons programs, and civil defense are provided in other bills.

HEARINGS

The Appropriations Subcommittee on Defense began hearings on March 28, 2023 and concluded them on June 20, 2023, after six separate sessions. The subcommittee heard testimony from representatives of the Department of Defense and the Intelligence Community.

SUMMARY OF THE BILL

The Committee recommendation of $831,781,268,000 includes funding to develop, maintain, and equip the military forces of the United States and for other purposes, including $514,000,000 in mandatory spending and $8,000,000,000 in emergency funding.

The fiscal year 2024 budget request for activities funded in the Department of Defense appropriations bill totals $826,678,377,000 in new budget authority, including $514,000,000 in mandatory spending.

In fiscal year 2023, the Congress appropriated $834,034,228,000 for activities funded in this bill. This amount included $798,249,750,000 in base appropriations of which $514,000,000 was mandatory spending. Additionally, the Congress appropriated $35,784,478,000 in emergency appropriations for fiscal year 2023 in Public Law 117–180 and Public Law 117–328.

The Committee recommendation in this bill is $25,531,518,000 above the amount provided in fiscal year 2023, excluding all emergency funding, and $5,102,891,000 above the amount requested for fiscal year 2024 including emergency funding.

COMMITTEE RECOMMENDATIONS

The following table displays the recommendations for each title:

[In thousands of dollars]

Account	Fiscal year 2023 enacted	Fiscal year 2024 estimate	Committee Recommendation
Title I—Military Personnel	172,708,964	178,875,510	176,538,766

[In thousands of dollars]

Account	Fiscal year 2023 enacted	Fiscal year 2024 estimate	Committee Recommendation
Title II—Operation and Maintenance	278,075,177	290,071,993	289,919,031
Title III—Procurement	162,241,330	169,056,946	169,446,717
Title IV—Research, Development, Test and Evaluation	139,760,526	144,879,625	143,382,724
Title V—Revolving and Management Funds	1,654,710	1,682,708	1,795,079
Title VI—Other Department of Defense Programs	41,751,419	40,917,595	41,696,900
Title VII—Related Agencies	1,076,265	1,164,000	1,115,442
Title VIII—General Provisions (Includes emergency)	941,359	.....	7,856,609
Ukraine Supplemental Appropriations Act, 2023 (Public Law 117–180)	7,810,497	.....	.....
Additional Ukraine Supplemental Appropriations Act, 2023 (Public Law 117–328)	27,867,748	.....	.....
Disaster Relief Supplemental Appropriations Act, 2023 (Public Law 117–328)	106,233	.....	.....
Net grand total	833,994,228	826,648,377	831,751,268
Total mandatory and discretionary (incl. scorekeeping adjustments)	834,034,228	826,678,377	831,781,268

The Committee has displayed recommended adjustments in tables presented under each appropriation account.

These adjustments reflect the following Committee actions: removal of funds excess to need based on contract award savings or changes to a program's acquisition strategy; elimination of funds requested for programs which are lower priority, duplicative, or not supported by firm requirements with out-year development or procurement appropriations; deletion of excess funds based on program delays or slow execution; addition of funds to reflect congressional priorities, to include executable unfunded requirements, and to rectify shortfalls in the budget estimate; and implementation of recommendations in S.2226, the National Defense Authorization Act for Fiscal Year 2024, as reported by the Senate Armed Services Committee.

CLASSIFIED PROGRAM ADJUSTMENTS

The Committee recommends adjustments to certain classified programs, as explained in the classified annex to the Committee's report.

DEFINITION OF PROGRAM, PROJECT AND ACTIVITY

The terms "program, project, and activity" for appropriations contained in this act shall be defined as the most specific level of budget items identified in the Department of Defense Appropriations Act, 2024, the related classified annexes and Committee report, and P–1 and R–1 budget justification documents as subsequently modified by congressional action.

The following exception to the above definition shall apply: the military personnel and the operation and maintenance accounts, for which the term "program, project, and activity" is defined as the appropriations accounts contained in the Department of Defense Appropriations Act.

At the time the President submits the budget request for fiscal year 2025, the Secretary of Defense is directed to transmit to the congressional defense committees budget justification documents to

be known as the "M–1" and "O–1" which shall identify, at the budget activity, activity group, and sub-activity group level, the amounts requested by the President to be appropriated to the Department of Defense for military personnel and operation and maintenance in any budget request, or amended budget request, for fiscal year 2025.

REPROGRAMMING GUIDANCE

The Secretary of Defense is directed to continue to follow the reprogramming guidance for acquisition accounts as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110–279). The dollar threshold for reprogramming funds shall be $10,000,000 for military personnel; $15,000,000 for operation and maintenance; $15,000,000 procurement; and $15,000,000 research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees annual DD Form 1416 reports for titles I and II and quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this act. Reports for titles III and IV shall comply with guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act for Fiscal Year 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a military personnel (M–1), an operation and maintenance (O–1), a procurement (P–1), or a research, development, test and evaluation (R–1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this report.

FUNDING INCREASES

The funding increases outlined in the tables accompanying each appropriation account shall be provided only for the specific purposes indicated in the tables of Committee Recommended Adjustments. The Committee directs that funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the tables detailing Committee Recommended Adjustments or in paragraphs using the phrase "only for" or "only to" are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the

DD Form 1414 at the stated amount, as specifically addressed elsewhere in this report. In addition, section 8006 of this act provides direction on the treatment of increases which appear in the tables of the Committee Recommended Adjustments, including certain limitations on the use of reprogramming authority in relation to these items.

COMMITTEE INITIATIVES

The Committee reaffirms the importance of resourcing the U.S. defense strategy, military capabilities, and the defense industrial base to meet the increased challenge of strategic competition with China, as outlined in the 2022 National Defense Strategy and its predecessor, the 2018 National Defense Strategy. The Committee is encouraged to see continued investments in modern capabilities appropriately tailored for the changing nature of warfare. Further, many investments designed to bolster the United States' ability to compete with China support broader strategic objectives, including reassuring allies and partners and enhancing deterrence vis-a-vis Russia.

In its review of the budget request, the Committee recommends fully funding those programs and initiatives that support the efforts outlined above, to include multi-year procurement acquisitions of weapons and nuclear modernization programs. Further, the Committee identified and recommends targeted increases for key areas of investment, both at combatant commands, as well as in support of the Department's enabling capabilities that are integral to equipping and managing a more capable force. As detailed elsewhere in this report, these congressional special interest items include, but are not limited to:

—$534,000,000 to improve deterrence posture in INDOPACOM;
—$293,500,000 to improve domain awareness for U.S. homeland defense and U.S. Northern Command;
—$400,000,000 for the United States Africa Command and the United States Southern Command to expand cooperation, share information, to train and ultimately improve the abilities of our partner nations in their specific areas of responsibility;
—$200,000,000 to increase domestic defense manufacturing readiness;
—$200,000,000 for the U.S. National Defense Stockpile;
—$141,000,000 to implement the recommendation of the National Security Commission on Artificial Intelligence;
—$90,000,000 to accelerate cybersecurity enhancements through the implementation of Zero Trust Architecture on DOD networks;
—$200,000,000 to improve defense acquisition oversight, contracting and execution;
—$145,000,000 to expand military service recruiting initiatives to address end-strength shortfalls;
—$129,000,000 for National Guard counter-drug activities, including efforts to counter the scourge of fentanyl;
—$10,000,000 to improve insider threat detection; and
—$1,700,000,000 to address facility infrastructure repairs and upgrades across the military services.

ADDITIONAL EMERGENCY APPROPRIATIONS

The Committee recommendation includes $8,000,000,000 in additional emergency appropriations to address further, pressing national security challenges and shortfalls in military preparedness, including: $2,000,000,000 for unfunded requirements of the military services and Combatant Commands, as detailed elsewhere in this report; $1,900,000,000 to increase military readiness, as detailed elsewhere in this report; $1,500,000,000 to address increased acquisition program costs stemming from inflation or other changes in economic assumptions; $1,100,000,000 to replace Department of Defense stocks upon the exercise of Presidential Drawdown Authority for Taiwan authorized in the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023 (Public Law 117–263); $1,000,000,000 to address high priority defense industrial base capacity shortfalls and promote resilience in associated supply chains and workforces; and $500,000,000 to address anticipated fuel funding shortfalls in fiscal year 2024.

The Committee notes that recommending these funds for inclusion in the Department of Defense Appropriations Act, 2024 does not preclude the Committee from making additional emergency supplemental recommendations at a later time based on the Department's needs, particularly as relates to continuing support for Ukraine and Taiwan.

MULTI-YEAR PROCUREMENT CONTRACTS FOR CRITICAL MUNITIONS

In fiscal year 2023, the Committee urged the Department of Defense to exercise greater use of multi-year procurement contracts for critical munitions in order to increase the Department's stocks of such munitions, improve warfighting readiness, provide the defense industrial base with predictable production opportunities and firm contractual commitments, ensure consistent funding across the Department's Future Years Defense Program, increase and expand defense industrial capacity, and coordinate the timing and funding for capital expenditures with defense contractors. The Committee notes that the fiscal year 2024 President's budget requests this authority for seven weapons programs. The Committee recommends providing this authority for all requested programs with sufficient funding to allow the Department to negotiate those proposed agreements and associated economic order quantities to ensure timely delivery of weapons at reduced costs. However, the Committee notes that in some cases, the Department is requesting funding to increase production capacity well above what is required by the proposed multi-year contract without firm private sector co-investment commitments. The Committee notes that this is inconsistent with other long-term acquisition programs.

The Committee believes that greater and more consistent industry co-investment is warranted to more equitably share both the costs and benefits of stable, multi-year procurement contracts. The Committee notes that one of the production lines for which multi-year procurement authority is requested established its current capacity entirely with private industry investment, another was established through a fifty-fifty cost share, and another had no industry investment. Accordingly, in light of such disparities in funding

strategies, and to encourage greater industry co-investment, the Committee recommends adjustments to facilitization investments.

The Committee directs the Department to negotiate multi-year procurement contracts which yield unit cost savings commensurate with the stabilizing effect of economic order quantities, and industry commitments in facilitization with a particular focus on subcontractors in line with best practices including the ongoing approach to the VIRGINIA and COLUMBIA-class, as well as other shipbuilding programs. The Committee further directs the Secretary of Defense to provide reports on each munitions multi-year procurement award on a semi-annual basis until all such munitions have been delivered, to include projected and realized cost savings; impact of government and industry investment on capacity and associated supply chain, identifying potential risks and weaknesses; and analysis of whether the multi-year procurement has created stability in the supply chain.

HOMELAND DEFENSE CAPABILITY ACCELERATION

As detailed at a Committee briefing on February 9, 2023, the Committee is concerned by the incursion into U.S. airspace of a high altitude surveillance balloon from the People's Republic of China in January and February 2023. It is imperative to ensure homeland defense systems are fully capable to provide situational awareness so similar incidents do not occur in the future. Recognizing the critical role of the Over-the-Horizon Radar [OTHR] program in detecting airborne and surface targets of interest, the Committee recommends an additional $55,000,000 over the fiscal year 2024 President's budget request to procure a testbed to integrate OTHR with space-based sensors. The Committee also recommends an additional $211,500,000 over the fiscal year 2024 President's budget request to acquire three additional radars for the Three-Dimensional Expeditionary Long Range Radar program. Finally, the Committee recommends a total of $27,000,000 for the ARCHER program. These additions fully fund the top three unfunded priorities of U.S. Northern Command. The Committee encourages the Department to act expeditiously in executing these improvements to homeland defense networks.

ARTIFICIAL INTELLIGENCE

The Committee is supportive of efforts by the Department of Defense [DOD] to develop clear policies and governance structures for the ethical use of artificial intelligence, to strengthen its internal technical expertise, and to leverage the benefits of artificial intelligence for more effective outcomes in support of the National defense. The Committee notes that the Department of Defense established the Chief Digital and Artificial Intelligence Office [CDAO] in February 2022 to break down stovepipes within the DOD, and provide a common policy and technical foundation for the Office of the Secretary of Defense, the military services, combatant commands, and defense agencies. The Committee remains supportive of the CDAO and sees its maturation as a key enabler to further adoption of artificial intelligence throughout the Department of Defense.

The Committee makes two recommendations to accelerate the Department's artificial intelligence work in fiscal year 2024 and transparently structure spending within the CDAO. First, the Committee recommends the creation of a new Program Element, Alpha-1, accelerating the CDAO's development of a new enterprise capability that enables DOD entities to responsibly develop and deploy AI/ML capabilities. Recognizing that the development of artificial intelligence capabilities across the Department is an inherently decentralized task requiring implementation within the military services, combatant commands, and other DOD entities, Alpha-1 is intended to centrally offer best-of-breed capabilities through an enterprise pipeline, empowering DOD users to better utilize existing data and reduce technical risk.

Therefore, the Committee recommends the realignment of $172,723,000 of requested CDAO resources to support the creation of Alpha-1, and recommends an increase of $50,000,000 to create an autonomy enterprise platform. Additionally, as a component of the creation of a new Program Element for Joint All-Domain Command and Control [JADC2], the Committee recommends the realignment of $235,287,000 of resources requested by the CDAO for the purposes of JADC2 to the JADC2 Program Element. The Committee notes the inclusion of additional language on this matter elsewhere in this report. Further, the Committee recommends an additional $141,000,000 for implementation of National Security Commission on Artificial Intelligence recommendations at DARPA, as well as other targeted increases elsewhere in the Department.

Given the importance of responsible and efficient adoption of artificial intelligence, the Committee remains committed to working with the DOD to ensure expedient and widespread implementation of new capabilities developed by the CDAO. Therefore, not later than 60 days following the enactment of this act, the Chief Digital and Artificial Intelligence Officer shall provide a report to the congressional defense committees identifying collaborative objectives for fiscal year 2024 for each military service, combatant command, and defense agency participating in Alpha-1. Further, the report shall include each implementing partner's funding profile for initiatives associated with Alpha-1 in fiscal year 2024. The Committee encourages the DOD to further refine its presentation of requested spending in support of artificial intelligence development and implementation in the fiscal year 2025 President's budget request.

JOINT ALL-DOMAIN COMMAND AND CONTROL

The Department of Defense has identified the development of Joint All-Domain Command and Control [JADC2] as one of its highest priorities, noting that improved Joint Force command and control [C2] will lead to more coordinated and effective outcomes. The Department of Defense's "Summary of the Joint All-Domain Command and Control Strategy" identifies five lines-of-effort, as well as a JADC2 cross-functional team as key enablers in the implementation of its JADC2 strategy.

The Committee acknowledges that development of a true Joint Force C2 system is an inherently complex task, requiring the coordination of the military services, combatant commands, and defense agencies. While the Committee commends the Department

for achieving progress in the requirements definition process, it remains concerned that the Department has not placed adequate emphasis on the acquisition and resourcing strategy associated with this effort.

Further, the Committee notes that the fiscal year 2024 President's budget request includes resources for a Joint Fires Network, which the Commander, U.S. Indo-Pacific Command has identified as a high-priority requirement. It is the Committee's understanding that the development of the Joint Fires Network is distinct from the work of the JADC2 cross-functional team, despite both activities sharing the goal of enhancing command and control outcomes for the Joint Force. In some instances, the Department has described the Joint Fires Network as a near-term solution, and the work of the JADC2 cross-functional team to be focused on enduring outcomes. Additionally, the Navy's Project Overmatch, the Army's Project Convergence, and the Air Force's Advanced Battle Management System are service-led initiatives in pursuit of outcomes similar to those of JADC2. It is the Committee's position that these investments should be mutually reinforcing, adequately balancing the need for immediate outcomes with sustainable long-term architectures, and retaining focus on delivering capability to the warfighter.

The Committee finds the current funding structure for Defense-Wide JADC2-related investments to be diffuse, limiting oversight entities' ability to clearly identify what discrete activities comprise JADC2 related work, and which officials are responsible for achieving the goals outlined in the Department's JADC2 strategy. Therefore, the Committee recommends centralizing all Defense-Wide JADC2 resources and Joint Fires Network resources into a consolidated Program Element to increase unity of effort, traceability, and accountability.

Further, the Committee directs the Secretary of Defense to deliver a report to the congressional defense committees, not later than 90 days after the enactment of this act, that identifies a single acquisition executive responsible and accountable for the development and implementation of JADC2, provides a resourcing and programming strategy for investment in common enterprise-level JADC2 capabilities across the Future Years Defense Program, and establishes a framework for prioritizing near-term versus long-term capability developments. In addition, following the delivery of this report, the Secretary of the Defense is directed to brief the congressional defense committees semi-annually on the Department's progress in implementing the topics included in the aforementioned report.

Improving Cooperation with Partners and Allies

The Department of Defense Appropriations Act, 2023 (Public Law 117–328) included $200,000,000 for the United States Africa Command [USAFRICOM] and the United States Southern Command [USSOUTHCOM] to expand cooperation, share information, to train and ultimately improve the abilities of our partner nations in their specific areas of responsibility. The Committee maintains the belief that a misconception exists that USAFRICOM and USSOUTHCOM mission sets revolve solely around counter-terror

and counter-drug activities. In reality, both combatant commands are deeply immersed in peer-competition with China that has direct implications for our Nation's overall security posture: China's first overseas base in Djibouti allows for power projection in the Horn of Africa and Indian Ocean. In South America, China has built a space ground station in Argentina that can monitor the United States' space assets. China has also secured rights to build infrastructure near the Straits of Magellan, and is competing in projects related to the Panama Canal, both of which are key chokepoints for the United States Navy. In both commands, illegal Chinese fishing vessels have systematically violated sovereign territory through the use of gray zone pressure tactics. Additionally, illegal mining and resource acquisition by Chinese-owned entities is a growing concern. While the Department's force management process excels at meeting immediate and pressing warfighting needs, the Committee remains concerned that underinvestment in these key geographic areas today fails to meet the Nation's long-term security needs. The Committee notes that today's security situation has resulted in the systematic de-prioritization of USAFRICOM and USSOUTHCOM with respect to force allocation and resources by the Department. As a result, the Committee believes that the Department of Defense is underfunded in these regions.

The Committee believes that while expanding any partnership is a complex and multifaceted process, there are unrealized opportunities to increase our military cooperation and improve the capabilities of our partners in these regions. Therefore, the Committee recommends an additional $400,000,000 only for USSOUTHCOM and USAFRICOM to improve the capabilities of its allies and partners in their respective regions. This includes training partner forces, joint exercises, purchasing equipment, intelligence activities, and other security cooperation activities as determined by the Commander, USSOUTHCOM and Commander, USAFRICOM. The Committee directs that none of these funds may be obligated or expended until the Under Secretary of Defense (Comptroller), in coordination with Commander, USSOUTHCOM and Commander, USAFRICOM presents an execution plan to the congressional defense committees. Further, the Committee notes that while some of these activities may be undertaken through title 10 United States Code section 333, the Commander, AFRICOM and Commander, SOUTHCOM may propose projects utilizing any existing authorities.

Addressing Readiness Shortfalls and Emergent Requirements

The Committee recommends $3,300,000,000 to increase military readiness, of which $1,900,000,000 is designated emergency funding, for emergent depot-level maintenance; weapon systems maintenance; training and exercises; airlift and sealift movements; and spare parts. This funding shall be transferred to the operation and maintenance accounts and be divided proportionately among the services and the National Guard and reserve components. The funding provided is a congressional special interest item. The Secretary of Defense and the Service Secretaries are directed to sub-

mit a detailed spending plan by sub-activity group to the Committees on Appropriations of the House of Representatives and the Senate not less than 30 days prior to the obligation of these funds. These transfers may be implemented 30 days after congressional notification unless an objection is received from either the House or Senate Appropriations Committees.

MARINE CORPS FORCE DESIGN 2030

The Marine Corps' Force Design 2030 initiative prioritizes investments in updated technologies, formations, and capabilities that will enable the Marine Corps to modernize and act as a stand-in force in future contingencies, while continuing to fulfill its historic mission of serving as an expeditionary crisis response force. In particular, the Committee commends the Marine Corps' budget-neutral approach to Force Design 2030, which serves as an example of disciplined financial management, as well as the Marine Corps' commitment to a continued campaign of learning. The fiscal year 2024 President's budget request includes $16,911,970,000 for Force Design 2030 initiatives, an increase of $503,313,000 above the fiscal year 2023 enacted amount. The Committee strongly supports Force Design 2030 and appreciates the commitment of the Commandant of the Marine Corps to carry through with this plan and sufficiently resource the transition.

HOMELAND DEFENSE TO COUNTER ADVANCED MISSILE THREATS

The Missile Defense Agency [MDA]'s current architecture provides persistent protection to the United States, including Hawaii and Alaska, from a diverse range of missile threats. In order to continue to keep pace with rapidly evolving threats, the Committee recommends additional investments to accelerate MDA's development of near-term solutions to such capabilities such as hypersonic glide and advanced ballistic missiles. In addition, the Committee directs the Director, MDA, to provide a report to the congressional defense committees not later than 90 days after enactment of this act which outlines technologies and investments across the Future Years Defense Program which will allow MDA to keep pace with these advanced threats to the homeland.

HOMELAND DEFENSE RADAR—HAWAII

The Committee directs the Director of the Missile Defense Agency, in consultation with the Commander of United States Indo-Pacific Command, to provide a report to the congressional defense committees not later than 90 days after enactment of this act on the status of funds for the Homeland Defense Radar—Hawaii, as well as key deliverables from previously appropriated funding in unclassified and classified form, as required.

DEFENSE OF GUAM

The fiscal year 2024 President's budget request includes $1,482,000,000 to accelerate procurement of key enablers for the defense of Guam, and notes further that the protection of U.S. military operations on Guam is a critical national security priority in

the Indo-Pacific Command and is vital to our security posture in the Pacific. The Committee notes that successful execution of these investments entails significant coordinated, sequential actions across multiple defense agencies and military services. Therefore, the Committee directs the Director of the Missile Defense Agency, in coordination with the Secretaries of the Army, Navy, and Air Force, to provide an update not later than 90 days after enactment of this act, and quarterly updates thereafter, to the congressional defense committees on the status of the mission to support the defense of Guam. The update shall include: the status of environmental impact statements and site surveys required to support placement of weapon systems supporting the defense of Guam; the upgrades to Guam's infrastructure required to support the mission; development and acquisition schedules of anticipated weapons systems and corresponding deployment schedules of such systems; manning requirements for the defense of Guam mission; and obligation and expenditure data on all funding related to the defense of Guam. These updates shall be provided at an unclassified and classified level, as required.

Further, the Committee is concerned that the Department has not implemented several policies which would strengthen execution of the defense of Guam. In particular, the Secretary of Defense lacks a single point person for the synchronization of activities on Guam among the various defense agencies and military services, and the Secretary of the Army has not yet entered into the Joint Memorandum of Agreement [JMOA] with the other military services for the defense of Guam. Therefore, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days after enactment of this act which outlines the Secretary's evaluation of the need for such a coordinator, as well as the individual's roles, responsibilities, reporting structure, estimates of funding required across the Future Years Defense Program to support these activities, and any other details deemed necessary. In addition, the Committee directs the Secretary of the Army to submit a report to the congressional defense committees not later than 90 days after enactment of this act which outlines the Secretary's evaluation of the need for the Department of the Army to enter into the JMOA and the timetable for doing so.

Information Technology Systems and Coordination Affecting Operations of Department of Veterans Affairs

The Committee is concerned about the uptime, governance, and maintenance of information technology and related systems and infrastructure of the Department of Defense that are impacting critical services to our Nation's veterans and their families provided by the Department of Veterans Affairs, which has operational dependencies connected to these systems of the Department of Defense.

The Secretary of Defense shall provide a briefing to the Committees on Appropriations of the House of Representatives and the Senate on information technology systems and services of the Department of Defense upon which the Department of Veterans Affairs has an operational dependency not later than 90 days after the enactment of this act, and every 6 months thereafter over the

next 12 months. The brief shall include the following deliverables: (1) steps taken by the Secretary of Defense to improve information technology governance, coordination, and policy decisions conducted with the Secretary of Veterans Affairs; (2) a schedule for the modernization or replacement of jointly agreed upon key systems, including, but not limited to, the Defense Enrollment Eligibility Reporting System and those systems that are relied upon to operate the modernized electronic health record; (3) a schedule for the movement of the MHS GENESIS software and related systems to the cloud; and (4) a definition of uptime, stability, and performance goals of all jointly agreed upon key systems and services and a presentation of the actual data in comparison to those goals.

INTEGRATED VISUAL AUGMENTATION SYSTEM

The President's budget request includes $136,737,000 in research, development, test and evaluation funding and $89,451,000 in procurement funding for the Integrated Visual Augmentation System [IVAS]. The Committee remains supportive of the development and operational testing of IVAS and notes that the IVAS program has the potential to improve soldier battlefield capabilities. Further, the committee notes that the IVAS program represents an important step in the Department of Defense's efforts to engage with non-traditional defense contractors capable of delivering innovative capabilities that meet warfighter requirements.

The Committee understands that, following continued challenges with user acceptance and the technology maturity readiness of IVAS v1.1, the Army opted to reduce planned procurement quantities of v1.0 and v1.1 devices, and instead invest in the development and maturation of IVAS v1.2. The Department of Defense Appropriations Act, 2023 (Public Law 117–328) provided additional appropriations to support the further development and maturation of IVAS v1.2 in fiscal year 2023.

The Committee notes that the Chief of Staff of the Army's fiscal year 2024 unfunded priority list requests additional funding for the development of IVAS v1.2, as well as funding for the initial procurement of units to support an operational assessment. While the Committee remains supportive of additional funding to further develop IVAS v1.2, providing additional procurement funding ahead of successfully completing test activities is ill-advised and contrary to acquisition best practices. The Committee remains concerned that, despite continued program delays, the Army is proposing to accelerate a program prior to its technical maturity date being demonstrated. This approach places undue risk on the U.S. government and the taxpayer. Therefore, the Committee does not recommend funds to procure IVAS 1.2 devices for fielding.

However, the Committee recognizes the benefits associated with the initiation and completion of a full-scale operational demonstration to validate that IVAS v1.2 meets established acquisition criteria. Therefore, the Committee recommends an additional $38,429,000 only to procure IVAS v1.2 assets for a full-scale operational demonstration. Such an operational demonstration shall be coordinated with the Director, Operational Test and Evaluation, to ensure that the demonstration meaningfully addresses deficiencies identified in IVAS v1.0 and v1 and validates the development ob-

jectives that were established for v1.2. Additionally, the Committee recommends the requested realignment of $42,600,000 to build test articles, and an additional $22,400,000 to address the unfunded requirement to complete technology insertion within the IVAS program's research, development, test and evaluation program element.

JOINT STRIKE FIGHTER

The Committee's recommendation fully funds the fiscal year 2024 President's budget request to procure 83 aircraft, which is an increase of six aircraft above what was appropriated by Congress for Joint Strike Fighter procurement in the Department of Defense Appropriations Act, 2023 (Public Law 117–328) to complete the procurement of all requested fiscal year 2023 aircraft. The Committee expects the Secretary of Defense to keep the Committee apprised of ongoing development and testing of advanced Block IV capabilities and to request sufficient funding in future budget submissions to ensure the retrofit of earlier aircraft to newer configurations.

LOANS AND LOAN GUARANTEE FUNDING

The fiscal year 2024 President's budget request includes $99,000,000 for the Office of Strategic Capital [OSC]. The Committee notes that a portion of this funding is intended to support a loan guarantee program that supports investment in companies pursuing critical technologies of interest to the Department of Defense. The Committee supports the use of existing loan, loan guarantee, and other authorities available to the Department pursuant to Chapter 55 of Title 50, United States Code. The Committee is concerned that the Administration has not formally requested new authorities for OSC that would allow for the requested funds to be executed. A formal request of this authority is essential to understand how Government-issued loans and loan guarantees would be implemented, particularly as such actions could require actions by Government entities other than the Department of Defense. Therefore, the Committee views the funding requested within the President's budget request for OSC as unexecutable.

In contrast, the Committee notes section 831 of S. 2226, the National Defense Authorization Act for Fiscal Year 2024, as reported by the Senate Armed Services Committee, would authorize an Advanced Defense Capabilities Pilot program. This provision establishes a public-private partnership to provide financial support to companies in the defense industrial base based on guidelines from the Under Secretary of Defense (Acquisition and Sustainment). The public-private partnership model limits direct government involvement in the administration of the program, which manages the risk to the Government. In particular, the provision requires the public-private partnership to invest in not less than 10 businesses, with no businesses representing more than 20 percent of the partnerships' total investment. Moreover, such an arrangement would allow the public-private partnership to draw on the past successes of In-Q–Tel, which the Committee notes has delivered meaningful results to the United States and its allies for more than two decades. Additionally, the Advanced Defense Capabilities Pilot distin-

guishes itself from other innovation proposals by focusing investments on strengthening domestic defense supply chain resilience and manufacturing, which the Committee deems to be of urgent concern.

Therefore, the Committee recommends $20,000,000 only for the Advanced Defense Capabilities Pilot, as authorized in section 831 of S.2226, which is to be administered by the Office of the Under Secretary of Defense (Acquisition and Sustainment).

MQ–25 Programmatic Delays and Transfer

The fiscal year 2024 President's budget requests $201,945,000 in Research, Development, Test and Evaluation, Navy [RDT&E,N], as well as $545,697,000 in Aircraft Procurement, Navy [AP,N] for the MQ–25 Stingray Unmanned Carrier Aviation air system program. Additionally, the request includes $50,576,000 in AP,N advanced procurement funding to procure long lead materials for future air systems. The budget request would procure three low-rate initial production [LRIP] aircraft in fiscal year 2024 in addition to the four air systems requested and appropriated in the Department of Defense Appropriations Act, 2023 (Public Law 117–328). Both the planned fiscal year 2023 acquisition and fiscal year 2024 request are predicated on the program successfully delivering engineering development model air systems and receiving milestone C approval in fiscal year 2023 to proceed into production.

However, the Committee notes that since the Engineering and Manufacturing Development [EMD] phase of the program began in August 2018, extensive delays due to engineering development model [EDM] build issues and significant obsolescence issues have occurred. These delays and issues have driven large cost overruns and rendered the acquisition strategy unexecutable. The projected cost of additional system demonstration test articles [SDTAs] required to sustain the production line has increased by roughly 231 percent since the original option for SDTAs was awarded in April 2020. The Committee notes that the Department of the Navy requested to redirect appropriations in fiscal year 2023 and realign fiscal year 2024 funding to finance a new acquisition strategy that extends the EMD phase and delays the milestone C decision to at least fiscal year 2025.

The Committee recommendation includes funding to procure two SDTAs to sustain the production line, as well as to address engineering and obsolescence issues, to put this program on a sustainable path forward. The Committee will continue working with the Department of the Navy to identify appropriate resourcing needs to meet the evolving requirements as the acquisition strategy is further refined. Finally, the Committee directs the Program Executive Officer, Unmanned Aviation and Strike Weapons to submit quarterly reports to the congressional defense committees detailing the program status until a milestone C decision is made. The Committee expects the Department of the Navy to work with the defense committees on an agreeable format for these quarterly reports.

UNITED STATES CYBER COMMAND

The Committee recommends $2,477,403,000 for United States Cyber Command [USCYBERCOM] in fiscal year 2024, $359,090,000 above the fiscal year 2023 enacted level. The Committee supports the consolidation of cyber mission force resources under USCYBERCOM and notes that these significant increases are properly focused on readiness and the expansion of the financial management staff necessary to fully implement the planning, programming, budgeting, and execution processes associated with enhanced budget control provided by Congress. However, the Committee is concerned with the lack of detail in the budget justification materials provided with the submission of the fiscal year 2024 President's budget request. Prior to the submission of the fiscal year 2025 President's budget request, the Committee directs the Commander, USCYBERCOM to consult with the Committees on Appropriations of the House of Representatives and the Senate on developing detailed budget justification materials commensurate with the levels of funding requested.

THE DEFENSE INDUSTRIAL BASE AND SUPPLY CHAIN

The Committee notes that the fiscal year 2024 President's budget request includes investments to increase the capacity and capability of the Nation's defense industrial base, particularly with respect to critical munitions. While the Committee notes the work that the Department of Defense has done to increase focus and attention to this matter, the Committee believes that additional work remains to empower a resilient and responsive defense industrial base.

The Committee continues to encourage the Department of Defense to develop and adhere to a Future Years Defense Program that provides stability and predictability to the defense industrial base. Consistent and transparent budget projections enable the industrial base to better support the Department's requirements, including improving acquisition outcomes.

Additionally, the Committee notes the importance of fostering healthy competition within the defense industrial base. The Committee believes that the Department of Defense would benefit from additional data-driven analysis that identifies discrete sources of supply chain fragility. The Committee is concerned that the Department lacks visibility into the supplier base of many key programs, limiting its ability to target investments to smaller suppliers that simultaneously support multiple key defense programs. This analysis should, in turn, inform Department investments at the sub-tier supplier level, which has the potential to drive efficiencies within multiple production lines. The Committee remains committed to engaging with the Department in order to promote a resilient and responsive defense industrial base.

DEPARTMENT OF DEFENSE WORKFORCE

The Committee recognizes that people are the most important resource in the joint force and that taking care of the workforce is a critical readiness issue. The Committee fully funds the pay raise

of 5.2 percent for both military and civilian personnel as requested in the fiscal year 2024 President's budget request.

The Committee recommendation reflects the challenging recruiting and retention environment the military services are currently facing caused by various factors including, but not limited to, a shrinking pool of eligible candidates and a competitive job market. As a result, many of the military service components are well below their projected strength plans.

The civil service is experiencing similar types of challenges as the military workforce. From competing with opportunities offered by private companies to seeking more flexibility in the post-pandemic job market, the military services and defense agencies are not meeting civilian personnel hiring targets. The Committee recommends reductions to the growth in civilian compensation requested in the fiscal year 2024 President's budget request to account for this projected underexecution. Until the Department can demonstrate significant improvements in workforce hiring, the Committee expects the Department to not request funding in excess of what the Department can realistically execute.

The Committee notes that reductions to the military and civilian workforce should not result in growth in the contractor workforce. Therefore, the Committee includes a provision in title VIII decreasing the growth in the procurement of contract advisory and assistance services.

Despite the recommendation including reductions based on the current challenges, the Committee recognizes that the Department of Defense is committed to recruiting and retaining a talented workforce. The Service Secretaries are directed to provide detailed military and civilian personnel funding updates as a part of the execution meetings regularly scheduled with the Committees on Appropriations of the House of Representatives and the Senate.

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE

The Committee remains committed to ensuring that the Department of Defense acquisition workforce has the capacity, in both personnel and skills, needed to properly perform its mission and recommends funding, as requested, in the services' operation and maintenance and research, development, test and evaluation accounts; as well as in the Department of Defense Acquisition Workforce Account and Defense Working Capital Funds. Therefore, with the submission of the fiscal year 2025 President's budget request, the Committee directs the Service Acquisition Executives of the Army, Navy, Air Force, and Space Force to provide a report to the congressional defense committees identifying its acquisition workforce requirements in support of the acquisition programs included in the Fiscal Year 2025 Future Years Defense Program. Further, the Service Financial Managers and Comptrollers of the Army, Navy, and Air Force are directed to certify, with submission of the fiscal year 2025 President's budget request, to the congressional defense committees, that these acquisition workforce requirements are fully funded in the fiscal year 2025 President's budget request. Finally, in order to maintain visibility into and oversight of funding for the defense acquisition workforce, these funds are designated as

congressional special interest items for the purpose of the Base for Reprogramming, DD Form 1414.

The Committee includes an additional $200,000,000 for Department of Defense acquisition management initiatives to enable the workforce to improve oversight capabilities and achieve more effective and efficient outcomes for the warfighter and taxpayer.

BUDGET JUSTIFICATION MATERIALS

The Committee notes that the fiscal year 2024 President's budget request included both baseline and contingency operations funding within the baseline budget request. The Committee directs the Under Secretary of Defense (Comptroller) and the Assistant Secretaries of the Army, Navy, and Air Force (Financial Management and Comptroller) to continue to account for both baseline and contingency operations funding in the fiscal year 2025 President's budget request exhibits for all appropriations.

Further, the Committee commends the Department for the improvements in the budget materials made over the past several years, particularly in the case of cross-cutting issues that impact multiple appropriations and line items. The Committee is concerned, however, about the accuracy of some of the budget details in the Mitigating Climate Risk budget exhibit. Based on the Committee's analysis, at least thirty-five percent of newly requested funding identified for climate resiliency relates to ongoing, routine facility and sustainment investments, research and development in support of operational imperatives, and training exercises. The Committee notes that other budget exhibits lacked information by fiscal year to fully analyze the Department's budget request. To better inform the congressional review of future budget requests, the Committee directs that prior year, current year, and budget year data be included in the following justification materials: the Defense Force Structure Changes exhibit (this shall continue to include funding levels for each fiscal year in the Future Years Defense Program as well); the Mitigating Climate Risk exhibit only for those activities for which the primary purpose is the mitigation of climate risk; the European Deterrence Initiative exhibit; and the Pacific Deterrence Initiative exhibit.

CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM BUDGET MATERIALS

The Committee commends the Assistant Secretary of Defense for Nuclear, Chemical and Biological programs for submitting significantly improved budget materials with the fiscal year 2024 President's budget request for the Chemical Biological Defense Program [CBDP]. The Committee continues to support the critical work performed by the CBDP, which provides enduring and impactful capabilities to the warfighter.

COMPLETE AND TIMELY FINANCIAL REPORTING

As specified in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2023 (Public Law 117–328), the Undersecretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees com-

prehensive obligation and execution data, including expenditure data for funds with a tenure longer than 1 year.

DEPARTMENT OF THE AIR FORCE TECHNICAL ADJUSTMENTS

Subsequent to the submission of the fiscal year 2024 President's budget request, the Secretary of the Air Force submitted a technical adjustments package to the congressional defense committees containing zero sum realignments between appropriations and line items for various programs. The Department of the Air Force described the majority of these technical adjustments as programming errors that occurred during the budget formulation process. The Committee accommodated a number of these adjustments, totaling nearly $1,350,000,000, which are noted in the tables of Committee Recommended Adjustments as Air Force or Space Force-requested transfers. All of these technical adjustments are designated as congressional special interest items for the purpose of the Base for Reprogramming, DD Form 1414.

APPROPRIATIONS FOR DEPARTMENT OF DEFENSE-IDENTIFIED UNFUNDED REQUIREMENTS

In accordance with Title 10, United States Code, Section 222(a) the military services and combatant commands submitted to the congressional defense appropriations committees unfunded mission requirements in excess of $14,900,000,000 with submission of the fiscal year 2024 President's budget request. As in previous years, the Committee has reviewed these requests, their underlying requirements, costs, and schedules, and recommends additional appropriations in fiscal year 2024 to address these shortfalls, as identified in the tables of Committee Recommended Adjustments in this report; as well as in section 8133.

As previously stated, the Committee is concerned about instances where appropriations for unfunded requirements remained unobligated until proposed for realignment. While the Committee understands that requirements evolve and associated funding requirements change during execution of the budget, such unexecuted appropriations suggest that additional details regarding the execution of appropriations provided specifically for unfunded requirements identified by the Department of Defense is warranted.

Therefore, the Committee reiterates direction included in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2023, and directs that any submission of unfunded requirements by the military services, defense agencies, and combatant commands with the fiscal year 2025 President's budget request be accompanied by updated requirements and programmatic and execution plans for unfunded requirements that received appropriations in fiscal year 2024. Further, the Committee directs the Assistant Secretaries (Financial Management and Comptroller) for the Air Force, Navy, and Army to incorporate in the congressional budget brief templates distinct programmatic and execution data for appropriations provided in the previous three fiscal years for unfunded requirements pertaining to the program/effort.

PLANNING, PROGRAMMING, BUDGETING AND EXECUTION REFORM

The Committee has no higher priority than providing needed resources to the warfighter and recognizes that a return to near-peer competition and an increasingly unstable geopolitical environment necessitate robust investments in our National defense, and an appropriations process that meets the moment.

The Committee is aware of proposals that seek to modify the Department of Defense's [DOD] Planning, Programming, Budgeting and Execution [PPBE] process, including by relaxing financial controls and oversight mechanisms that were put in place as the result of previous instances of financial mismanagement, unacceptable cost growth, or the expenditure of resources that more prudently applied would likely have led to capabilities fielded sooner than the unrealistic timeframes set for many of these programs. At a time when the Department's financial statement audits continue to result in disclaimers of opinion, caution is in order to relax financial controls put in place as corrective actions to past systemic failures. This includes the process governing the realignment of appropriated funds in accordance with section 8005 of this act.

Section 8005 of the annual Department of Defense Appropriations Act allows the Secretary of Defense to transfer enacted appropriations in the year of execution for higher priority items, based on unforeseen military requirements, than those for which originally appropriated. In addition to submitting reprogrammings for congressional review on a near-monthly basis, the Department of Defense submits a large, mid-year omnibus reprogramming action each year that proposes to realign billions of dollars across dozen of programs. Typically, the initial congressional adjudication of that mid-year omnibus reprogramming action does not exceed 35 days, which allows the Department to move forward with adjusted programs prior to funds expiring at the end of the fiscal year. With respect to end-of-fiscal year reprogramming requests that the Department of Defense routinely submits in the last month of the fiscal year, there were 11 such reprogramming actions submitted to the Congress between fiscal year 2020 and 2022. Ten of those 11 reprogrammings were adjudicated within two weeks, and all responses were adjudicated prior to the end of the fiscal year. Factors that impact approval times of reprogrammings include the timeliness and quality of amplifying information provided by the Department, as well as internal processing timelines at the Office of Management and Budget and the Department of Defense.

The Committee is also sympathetic to senior DOD leaders and service acquisition executives seeking to establish new starts in the middle of a fiscal year through reprogrammings, and notes that typically, most new starts requested by the Department in the middle of the budget cycle are approved by the congressional defense committees. In fiscal years 2020 through 2022, the Department requested 39 new start programs via reprogramming in the middle of a fiscal year. Of those, 25 were approved in full by all four congressional defense committees. Only seven were not explicitly approved by the Committees on Appropriations of the House of Representatives or the Senate. Granting the Department blanket authority to establish new starts outside of the traditional budget re-

view cycle would undermine the constitutional authority of the Congress regarding the expenditure of taxpayer funds. Congress' track record with respect to these requests demonstrates that the congressional defense committees have largely used this authority judiciously and that used effectively, reprogramming actions serve as a necessary part of congressional oversight that still lend themselves to innovation and flexible employment by the Department. In recent years, several major changes and new start programs have been approved via reprogrammings, including the establishment of the Army Futures Command and several of its cornerstone programs, and the initiation of the Air Force's E–7 Wedgetail program.

Further, the Committee notes that the Department has not fully exercised the reprogramming authority available to it. The Department of Defense Appropriations Act, 2021 (Public Law 116–260) directed a report from the Comptroller General on the use of general transfer authority [GTA] and special transfer authority provided annually in the appropriations bills. The report indicates that from fiscal year 2011 through 2021, only 1 year—fiscal year 2012—required 100 percent of GTA at a total of $3,750,000,000. Over a 4-year period from fiscal year 2014 through fiscal year 2017, the Department never utilized more than 52 percent of its GTA. As of May 2023, the Department had used $2,028,000,000 in fiscal year 2022 GTA or 34 percent of the $6,000,000,000 allotment.

Recognizing that long-established reprogramming thresholds have not kept pace with the growing cost of doing business, and to further address concerns about funding flexibility, the Committee recommends increasing the prior approval reprogramming thresholds for certain operation and maintenance activities and the acquisition accounts, as detailed elsewhere in this report.

In addition to processing reprogrammings in an expeditious manner, the Committee has also demonstrated a willingness to work with the Department of Defense to improve the executability of appropriations, address out of cycle fact-of-life changes, or enact changes to budget structures in response to specific, identified problems: For instance, the Committee established a pilot program for a portion of ship maintenance, repair, and modernization, which has shifted more than $1,000,000,000 annually in funding from 1 year Operation and Maintenance, Navy funding to 3-year Other Procurement, Navy funding. The pilot program has proven successful in providing the Department of the Navy with a solution to the challenges associated with dynamic timing of ship maintenance availabilities by extending the fiscal period of availability to address a specific problem. Further, in support of the Department of the Army's Modernization Strategy, the congressional defense committees enacted budget line item consolidations in fiscal year 2020. The Committee notes this consolidation supported or fully funded 31 modernization programs, eliminated 93 programs, and truncated 93 programs. As addressed elsewhere in this report, the Committee includes direction this year to the Secretary of the Army to study proposals for further budget line consolidation within Other Procurement, Army account. Finally, in the last two budget cycles alone, the Air Force has requested 64 zero-sum budget changes following submission of the budget request, affecting 144 budget lines

across multiple appropriations totaling over $6,000,000,000. The Committee has addressed many of these requested realignments and notes that this relief allows the Air Force to properly phase funding for critical programs.

Ongoing, consistent, out-of-cycle dialogue between the Department of Defense and the Appropriations Committee also allows the Committee to address urgent needs throughout the fiscal year. For example, last year, the Committee accelerated the efforts of the Navy's Goalkeeper program with an additional $140,000,000 following close collaboration with the Navy on out-of-cycle program objectives and funding needs, provided additional resources to address recruiting shortfalls, and addressed inflationary impacts on the Department of Defense. This year, the Committee recommends additional resources to implement the recommendations of the suicide prevention commission, to address continued recruiting shortfalls, and to shore up the acquisition workforce. The Committee notes that none of these items were included in the budget request, or on unfunded priority lists submitted to the Congress along with the budget request, but are based on consistent interaction between the Committee and the military services.

The Committee notes that the Department of Defense's PPBE process is currently under review by an independent Commission established by Congress. The Committee looks forward to reviewing the recommendations of the Commission backed by clear, measurable outcomes or quantitative data.

The Committee looks forward to continuing partnering with the Department of Defense, the defense industrial base, and other stakeholders to strike the proper balance of flexibility, accountability, and oversight in resourcing our National defense. The Committee directs that unless specified elsewhere in this report, no changes shall be made to the appropriations structure with submission of the President's fiscal year 2025 budget request without prior consultation of the defense appropriations committees of the House of Representatives and the Senate.

INNOVATION

The Committee shares the view that the Department of Defense [DOD] can speed up acquisition timelines to execute critical acquisition programs. However, the end goal of acquisition must remain to field the most advanced capabilities to the warfighter at scale, thereby strengthening our Nation's defense. Many of the controls and oversight mechanisms in place within statute and regulation are the result of previous instances of financial or acquisition mismanagement, unacceptable cost growth, or wasteful acquisition strategies that delayed fielding timeframes for programs. Therefore, it is imperative that speed and innovation do not come at the expense of sound financial, acquisition, and management best practices essential to delivering capability to the warfighter on time and on budget.

The Committee recommends substantial resources to the Department for flexible, innovation-focused spending, including more than $1,208,314,000 for the military services and for department-wide transition funds that promote the prototyping and maturation of promising, early-stage, and commercial capabilities. For instance,

within the Army's Technical Maturation Initiative, following the selection of a project by the Technology Maturation Board, performance metrics and transition agreements are established to integrate successful technologies within established program baselines to ensure fielding. The Air Force's Future AF Integrated Technology Demo program element identifies pathfinders and prospects to support the Air Force's operational imperatives, with the goal of transitioning these activities to formal programs upon successful demonstration. The Navy and Marine Corps utilize their Innovative Naval Prototype, Future Naval Capabilities, and USMC Advanced Technology Demonstration program elements to fund promising technology through partnerships with program executive offices to enable transitions from the later science and technology phases to programs of record. Collectively, these funds offer ample resources to incubate promising prototypes prior to their transition to military services for further fielding. Finally, the Department of Defense's annual budget for Small Business Innovation Research and Small Business Technology Transfer programs is approximately $2,000,000,000 annually and continues to offer a key and underutilized pathway to fund innovative and promising technologies.

In addition to these innovation funds, the Department of Defense continues to request funding for activities under the auspices of the Rapid Defense Experimentation Reserve [RDER]. The Committee is supportive of the development of joint capabilities that can be successfully fielded and integrated at scale. However, the Committee remains concerned that production, fielding, and sustainment of resources for successful RDER projects have not been fully budgeted for within the Future Years Defense Program. Therefore, the Committee continues to fund innovative, experimental activities of this nature through the military service technology transition funds, as detailed above.

Additionally, to further enhance the Department's ability to tap into innovative commercial solutions, the Committee recommends $20,000,000 to support the Advanced Defense Capabilities Pilot program that will enable a public-private partnership to make loans and loan guarantees in partnership with the Department for the first time. The Committee notes that this recommendation is in addition to DOD's expansive existing authorities, including those provided via the Defense Production Act, which enable the Department to directly invest in capabilities critical to the National defense, including through the provision of loans and loan guarantees.

The Committee also notes that the Department of Defense and Congress have substantially grown and expanded the organizations focused on the development and fielding of innovative capabilities at speed in recent years. Today, the Defense Innovation Unit [DIU], the Strategic Capabilities Office, Army's Rapid Capabilities and Critical Technologies Office, Air Force Rapid Capabilities Office, and the Space Development Agency focus on the early adoption and quick deployment of capabilities.

The Committee is concerned that, in an effort to create and harness innovative concepts, acquisition authority is becoming overly dispersed horizontally to Department of Defense organizations such

as DARPA, DIU, SCO, and the Office of the Under Secretary of Defense for Research and Engineering. This dispersal has the potential to degrade the defense acquisition executive [DAE] and service acquisition executives' [SAEs] ability to exercise their statutory responsibilities, and dilutes meaningful acquisition leadership. The Committee continues to believe that the vertical delegation of acquisition authority down the chain-of-command from the DAE to SAEs and SAE designees has, in general, resulted in faster and more sound decision-making and acquisition outcomes. This reduces bureaucratic barriers and enables innovative investment decisions through closer collaboration among the individuals responsible for requirements, acquisition, sustainment, and most importantly operational employment.

Finally, it is the Committee's position that ample authorities exist to enable these organizations to adopt innovative and agile acquisition practices, but that the Department of Defense has underutilized many of them. A June 2023 report to congressional defense committees from the Government Accountability Office found that Congress has provided the Department of Defense at least 26 new authorities to increase flexibility in research and development, innovation, and modernization activities from fiscal year 2017 to fiscal year 2021. For example, Other Transaction Authority [OTA] provides the Secretary of Defense and the Secretaries of the military services the authority to enter into non-traditional transactions in support of research and development, deployment and even-follow-on production projects. Rapid Acquisition Authority [RAA] allows the Department the use of $650,000,000 annually to fund higher priority requirements in support of urgent operational needs without requiring a reprogramming action. However, over the last 3 years, only $83,690,000 of the $1,950,000,000 in RAA authority has been utilized. The rise of the Adaptive Acquisition Pathway and other flexible acquisition authorities have also continued to offer numerous avenues for prototypes funded through the above-mentioned flexible funds to graduate to programs-of-record, leading to the fielding of capabilities at scale. Finally, the Middle Tier of Acquisition authority [MTA] provides the Department with 5-year periods to rapidly develop and/or field prototypes that incorporate proven commercial technologies and require minimal development.

The Committee believes that the Department must be clear-eyed that utilizing innovative or rapid acquisition authorities carries inherent acquisition risk to cost, schedule, and performance. For example, the Air Force's Air-Launched Rapid Response Weapon is a MTA program that began in fiscal year 2018, after originating as a Tactical Boost Glide demonstrator through DARPA. The program intended to develop an air-launched hypersonic glide vehicle capability by fiscal year 2023. However, lack of development success and multiple test failures prevented the program from achieving an early operational capability, ultimately leading to program termination. The Navy in January 2015 identified advanced mining as a Joint Emergent Operational Need [JEON]. In fiscal year 2017, the Navy identified the Extra Large Unmanned Underwater Vehicle [XLUUV] as a solution to address the JEON and established a plan to purchase up to five XLUUVs as a rapid acquisition program

with all five XLUUVs planned for delivery by January 2023. The Committee notes that this effort is at least $242,000,000, or 64 percent, over its original cost estimate and over 3 years late, with no XLUUVs delivered to date. The Army's Extended Range Cannon Artillery [ERCA] program intended to provide a new capability for the self-propelled howitzer through increased range and rate of fire. ERCA entered the MTA rapid prototyping pathway in 2018, with a plan to equip the first unit by fiscal year 2025. The Committee understands that technical development challenges persist, and the program is not prepared to transition to the major capability acquisition pathway at the end of the 5-year MTA timeframe. At present, equipping the first unit is scheduled for fiscal year 2027, 2 years later than originally planned. The Committee notes that these examples do not necessarily mean that MTAs are an inappropriate tool for fielding capability, but they each case points to the need to understand requirements, technical risk, systems engineering, and the industrial base capabilities upfront before pursuing this acquisition path.

When appropriate, the Committee will continue to support recommendations to further enhance innovation that advances the Nation's defense while balancing risk and opportunity. The Committee directs the SAE of each of the military Services to provide a report to the congressional defense committees, not later than 90 days after enactment of this act, that details processes and authorities used to "pull" innovation from the various innovation organizations within the Department. Further, that report shall details procedural or budgetary obstacles to further enhancing the integration of the above-described entities and efforts.

BUDGET OR APPROPRIATIONS LIAISON SUPPORT TO THE SENATE DEFENSE APPROPRIATIONS SUBCOMMITTEE

The Committee again retains a provision in title II of this act from previous years that prohibits the use of funds in this act to plan or implement the consolidation of a budget or appropriations liaison office of the Office of the Secretary of Defense, the office of the Secretary of a military department, or the Service headquarters of one of the Armed Forces into a legislative affairs or legislative liaison office. The Senate Defense Appropriations Subcommittee relies heavily on these offices to conduct its oversight responsibilities and make funding recommendations for the Department of Defense. The Committee notes that while the separate offices of legislative affairs within the Office of the Secretary of Defense and the military departments offer assistance to the authorizing committees of the Congress, such assistance is provided on a parallel and separate track from the assistance provided to this Committee and its members by the budget or appropriations liaison office of the Office of the Secretary of Defense, the office of the Secretary of a military department, or the Service headquarters of one of the Armed Forces. As the offices of legislative affairs do not possess the expertise and direct relationship to the Financial Management and Comptroller organizations, which are essential to the effective communication between the Department and the Committees on Appropriations, it is critical that the budget or appropriations liaison offices remain independent from the legislative liaison offices, and

retain the authority to respond directly and promptly with the information required by the Committee and its members.

Report and Plan on Foreign Ownership of Land Near Installations of the Department of Defense in the United States.—Not later than 1 year after the date of the enactment of this act, the Secretary of Defense shall submit to the congressional defense committees a report that contains a thorough review of ownership by foreign persons of agricultural land near installations of the Department of Defense in the United States; an assessment of the threat such ownership poses to the National security of the United States; and in coordination with the Secretary of Agriculture and the Committee on Foreign Investment in the United States under section 721 of the Defense Production Act of 1950 (50 U.S.C. 4565), a plan for addressing foreign ownership of land, including farmland, and the risk to the National security of the United States that ownership presents near installations of the Department of Defense.

Voting-related Activities.—The Committee directs the Secretary of Defense to provide to the Committees on Appropriations of the House of Representatives and the Senate a briefing, not later than 90 days after enactment of this act, regarding any strategic plans developed by the Department of Defense since January 20, 2021 outlining the ways that the Department of Defense has promoted voter registration and voter participation, including for American citizens residing abroad.

Transnational Repression.—The Committee directs the Director of National Intelligence to provide an assessment to the Committees on Appropriations of the House of Representatives and the Senate not later than 90 days after the enactment of this act on foreign governments' use of transnational repression, including individuals, networks, and tools used to perpetrate transnational repression against communities in the United States on behalf of foreign governments.

Enhanced Ukraine Air Defenses.—The Committee supports United States assistance to Ukraine for enhanced air defense capabilities to protect its citizens and its territory against Russian aggression. The Committee directs the Secretary of Defense, not later than 30 days after the enactment of this act, to provide a briefing to the congressional defense committees on the status of efforts to provide Ukraine with air defense systems and capabilities.

TITLE I

MILITARY PERSONNEL

Funds appropriated under this title provide the resources required for basic pay, retired pay accrual, employers' contribution for Social Security taxes, basic allowance for subsistence, basic allowance for housing, special and incentive pays, permanent change of station travel, and other personnel costs for uniformed members of the Armed Forces.

The President's fiscal year 2024 budget requests a total of $178,875,510,000 for military personnel appropriations. This request funds an Active component end strength of 1,305,400 and a Reserve component end strength of 768,600.

SUMMARY OF COMMITTEE ACTION

The Committee recommends military personnel appropriations totaling $176,538,766,000 for fiscal year 2024. This is $2,336,744,000 below the budget estimate.

Committee recommended military personnel appropriations for fiscal year 2024 are summarized below:

SUMMARY OF MILITARY PERSONNEL APPROPRIATIONS

[In thousands of dollars]

Account	2024 budget estimate	Committee recommendation	Change from budget estimate
Military Personnel:			
Military Personnel, Army	50,363,906	49,576,005	−787,901
Military Personnel, Navy	38,020,388	37,400,340	−620,048
Military Personnel, Marine Corps	15,579,629	15,482,551	−97,078
Military Personnel, Air Force	36,766,530	36,118,107	−648,423
Military Personnel, Space Force	1,266,573	1,210,928	−55,645
Reserve Personnel:			
Reserve Personnel, Army	5,367,436	5,333,436	−34,000
Reserve Personnel, Navy	2,504,718	2,481,249	−23,469
Reserve Personnel, Marine Corps	903,928	879,613	−24,315
Reserve Personnel, Air Force	2,471,408	2,450,005	−21,403
National Guard Personnel:			
National Guard Personnel, Army	9,783,569	9,786,667	+3,098
National Guard Personnel, Air Force	5,292,425	5,264,865	−27,560
Tricare Accrual (permanent, indefinite authority)	10,555,000	10,555,000	.....
Total	178,875,510	176,538,766	−2,336,744

Committee recommended end strengths for fiscal year 2024 are summarized below:

RECOMMENDED END STRENGTH

	2023 authorization	2024 budget estimate	Committee recommendation	Change from budget estimate
Active:				
Army	452,000	452,000	452,000	.....
Navy	354,000	347,000	342,000	−5,000
Marine Corps	177,000	172,300	172,300	.....
Air Force	325,344	324,700	320,000	−4,700
Space Force	8,600	9,400	9,400	.....
Subtotal	1,316,944	1,305,400	1,295,700	−9,700
Selected Reserve:				
Army Reserve	177,000	174,800	174,800	.....
Navy Reserve	57,000	57,200	57,200	.....
Marine Corps Reserve	33,000	33,600	33,600	.....
Air Force Reserve	70,000	69,600	69,600	.....
Army National Guard	325,000	325,000	325,000	.....
Air National Guard	108,400	108,400	105,000	−3,400
Subtotal	770,400	768,600	765,200	−3,400
TOTAL	2,087,344	2,074,000	2,060,900	−13,100

Reprogramming Guidance for Military Personnel Accounts

The Committee directs the Secretary of Defense to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2024 appropriation accounts not later than 60 days after the enactment of this act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the congressional defense committees. The Committee directs the Secretary of Defense to use the normal prior approval reprogramming procedures to transfer funds in the services' military personnel accounts between budget activities in excess of $10,000,000.

Military Personnel Special Interest Items

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in this explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the Committee explanatory statement. Below threshold reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

Military Personnel Overview

Uniformed Members of the Armed Forces.—The Committee recognizes the many sacrifices made by servicemembers in defending our Nation at home and abroad, as well as those made by their military families. In further recognition and support to servicemembers and their families, the Committee's recommendation fully funds the 5.2 percent pay raise as requested in the fiscal year 2024 Presi-

dent's budget request. The Committee recommendation also fully funds basic allowance for subsistence and basic allowance for housing. Finally, the Committee recommendation fully funds the operation, renovation, and repair of child development centers and the expansion of full-day pre-kindergarten requested in the fiscal year 2024 President's budget request to expand access to child care for members of the armed forces. The Committee directs the Under Secretary of Defense (Comptroller) to notify the Committees on Appropriations of the House of Representatives and Senate if additional funding is required for these efforts based on projected shortfalls.

Strength Reporting.—The Committee directs the Service Secretaries to provide monthly strength reports for all components to the congressional defense committees beginning not later than 30 days after enactment of this act. The first report shall provide actual baseline end strength for officer, enlisted, and cadet personnel, and the total component. The second report shall provide the end of year projection for average strength for officer, enlisted, and cadet personnel using the formula in the Department of Defense Financial Management Regulation Volume 2A, Chapter Two. For the active components, this report shall break out average strength data by base and direct war and enduring costs, and differentiate between the active and reserve components. It should also include the actuals and projections compared to the fiscal year 2024 budget request.

Reserve Component Budget Reporting.—The Committee continues its requirement for the Department of Defense to provide a semiannual detailed report to the congressional defense committees showing transfers between subactivities within the military personnel appropriation. Reports shall be submitted not later than 30 days following the end of the second quarter and 30 days following the end of the fiscal year.

Space Force Personnel Management.—The Committee is aware of title 17 included in S. 2226, the National Defense Authorization Act for Fiscal Year 2024, as reported, and directs the Secretary of the Air Force to keep the congressional defense committees apprised of plans to implement this title, if enacted. Further, should a realignment of funds be required to implement the proposed authorities, the Committee directs the Under Secretary of Defense (Comptroller) to use normal prior approval reprogramming procedures in accordance with section 8005.

National Guard Bureau Active Guard and Reserve Budgeting.—The Committee is concerned that efforts by the National Guard Bureau to grow its full time Active Guard and Reserve [AGR] force in recent years has led to budget shortfalls impacting readiness and training. These shortfalls have resulted in multiple prior approval reprogramming actions and the furlough of some AGR personnel. Therefore, the Committee directs the Assistant Secretaries of the Army and Air Force (Financial Management and Comptroller) to include AGR strength and funding obligation data in its quarterly briefings to the Committees on Appropriations of the House of Representatives and the Senate.

Travel Reimbursement for National Guard.—The Committee is concerned about the readiness and retention of National Guard Sol-

diers and Airmen residing in rural States. The Committee notes that National Guard personnel in rural States often have to travel hours to weekend Inactive Duty Training [IDT], which can become a financial strain on Soldiers, Airmen, and their families. The Committee understands the Department of Defense currently has authority to reimburse travel for certain National Guard personnel performing IDT outside the normal commuting distance of the servicemember's permanent residence. The Committee encourages the Chief of the National Guard Bureau to maximize the use of this authority in order to lessen the financial burdens on those servicemembers. Further, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 90 days after enactment of this act that includes the following: (1) any existing authorities to reimburse National Guard personnel for travel from home to IDT duty locations; (2) the number of National Guard personnel who report to a duty location for weekend IDT 150 miles or more from their home of record, including a breakdown by State and rank; (3) the costs associated with implementing a travel reimbursement plan for weekend IDT; and (4) the level of funding available within the Department of Defense's fiscal year 2024 budget request for reimbursement of travel expenses of personnel performing IDT. In addition, the Committee directs the Secretary of Defense and the Secretaries of the Army and Air Force, with the submission of the fiscal year 2025 President's budget request, to clearly identify requested funds which will be used to reimburse National Guard personnel for travel expenses incurred commuting to IDT duty locations.

Advanced Trauma and Public Health Direct Training Services.—The Committee directs the Chief of the National Guard Bureau to continue state-of-the-art trauma, critical care, behavioral health, public health, and other ancillary direct medical training utilizing academic medical centers. These disciplines for Air National Guard and Army National Guard medical and non-medical personnel, and State Partnership Program/Global Health Engagement international partners are intended to minimize civilian-military and international coalition medical operational gaps in the event of a catastrophic incident. Further, these preparedness programs shall be delivered through direct training services, to include advanced trauma, public health, and combat lifesaver curriculums focusing on critical life-saving procedures, epidemiology of public health diseases, prevention and treatment, mass casualty triage, and psychological health.

MILITARY PERSONNEL, ARMY

Budget estimate, 2024	$50,363,906,000
Committee recommendation	49,576,005,000

The Committee recommends an appropriation of $49,576,005,000. This is $787,901,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, ARMY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	9,125,119	9,125,119	
10	RETIRED PAY ACCRUAL	2,689,228	2,689,228	
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	100,934	100,934	
25	BASIC ALLOWANCE FOR HOUSING	2,736,833	2,736,833	
30	BASIC ALLOWANCE FOR SUBSISTENCE	381,692	381,692	
35	INCENTIVE PAYS	99,364	99,364	
40	SPECIAL PAYS	380,166	380,166	
45	ALLOWANCES	155,377	155,377	
50	SEPARATION PAY	73,610	73,610	
55	SOCIAL SECURITY TAX	695,596	695,596	
	TOTAL, BUDGET ACTIVITY 1	16,437,919	16,437,919	
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	15,838,264	15,838,264	
65	RETIRED PAY ACCRUAL	4,679,458	4,679,458	
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	296,009	296,009	
80	BASIC ALLOWANCE FOR HOUSING	5,544,896	5,544,896	
85	INCENTIVE PAYS	83,975	83,975	
90	SPECIAL PAYS	1,120,730	1,120,730	
95	ALLOWANCES	648,509	648,509	
100	SEPARATION PAY	314,443	314,443	
105	SOCIAL SECURITY TAX	1,211,627	1,211,627	
	TOTAL, BUDGET ACTIVITY 2	29,737,911	29,737,911	
	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
110	ACADEMY CADETS	107,478	107,478	
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,542,267	1,542,267	
120	SUBSISTENCE–IN–KIND	790,328	790,328	
	TOTAL, BUDGET ACTIVITY 4	2,332,595	2,332,595	
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	131,529	131,529	
130	TRAINING TRAVEL	167,460	167,460	
135	OPERATIONAL TRAVEL	441,015	441,015	
140	ROTATIONAL TRAVEL	678,526	678,526	
145	SEPARATION TRAVEL	231,136	231,136	
150	TRAVEL OF ORGANIZED UNITS	5,181	5,181	
155	NON–TEMPORARY STORAGE	14,740	14,740	
160	TEMPORARY LODGING EXPENSE	160,247	160,247	
	TOTAL, BUDGET ACTIVITY 5	1,829,834	1,829,834	
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	86	86	
175	INTEREST ON UNIFORMED SERVICES SAVINGS	1,977	1,977	
180	DEATH GRATUITIES	34,400	34,400	
185	UNEMPLOYMENT BENEFITS	57,231	57,231	
195	EDUCATION BENEFITS			
200	ADOPTION EXPENSES	231	231	
210	TRANSPORTATION SUBSIDY	4,631	4,631	
215	PARTIAL DISLOCATION ALLOWANCE	300	300	
216	SGLI EXTRA HAZARD PAYMENTS	3,358	3,358	
217	RESERVE OFFICERS TRAINING CORPS [ROTC]	104,684	104,684	
218	JUNIOR ROTC	24,660	24,660	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
219	TRAUMATIC INJURY PROTECTION COVERAGE [T–SGLI]	500	500	
	TOTAL, BUDGET ACTIVITY 6	232,058	232,058	
	LESS REIMBURSABLES	−313,889	−313,889	
	UNDISTRIBUTED ADJUSTMENT		−787,901	−787,901
	TOTAL, TITLE I, MILITARY PERSONNEL, ARMY	50,363,906	49,576,005	−787,901
300	HEALTH CARE CONTRIBUTION—OFFICERS	593,000	593,000	
300	HEALTH CARE CONTRIBUTION—ENLISTED	2,254,000	2,254,000	
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	2,847,000	2,847,000	
	TOTAL, MILITARY PERSONNEL, ARMY	53,210,906	52,423,005	−787,901

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength		−787,901	−787,901

MILITARY PERSONNEL, NAVY

Budget estimate, 2024 ..... $38,020,388,000
Committee recommendation 37,400,340,000

The Committee recommends an appropriation of $37,400,340,000. This is $620,048,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, NAVY			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	5,396,209	5,396,209	
10	RETIRED PAY ACCRUAL	1,614,147	1,614,147	
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	80,484	80,484	
25	BASIC ALLOWANCE FOR HOUSING	2,033,804	2,033,804	
30	BASIC ALLOWANCE FOR SUBSISTENCE	219,578	219,578	
35	INCENTIVE PAYS	172,751	172,751	
40	SPECIAL PAYS	483,232	483,232	
45	ALLOWANCES	116,422	116,422	
50	SEPARATION PAY	43,046	43,046	
55	SOCIAL SECURITY TAX	412,085	412,085	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 1	10,571,758	10,571,758	
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	12,128,900	12,128,900	
65	RETIRED PAY ACCRUAL	3,633,621	3,633,621	
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	184,961	184,961	
80	BASIC ALLOWANCE FOR HOUSING	6,172,591	6,172,591	
85	INCENTIVE PAYS	114,539	114,539	
90	SPECIAL PAYS	1,348,387	1,348,387	
95	ALLOWANCES	464,554	464,554	
100	SEPARATION PAY	114,504	114,504	
105	SOCIAL SECURITY TAX	927,945	927,945	
	TOTAL, BUDGET ACTIVITY 2	25,090,002	25,090,002	
	ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN			
110	MIDSHIPMEN	110,242	110,242	
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,074,172	1,074,172	
120	SUBSISTENCE–IN–KIND	536,995	536,995	
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	5	5	
	TOTAL, BUDGET ACTIVITY 4	1,611,172	1,611,172	
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	103,198	103,198	
130	TRAINING TRAVEL	114,694	114,694	
135	OPERATIONAL TRAVEL	304,458	304,458	
140	ROTATIONAL TRAVEL	250,005	250,005	
145	SEPARATION TRAVEL	127,644	127,644	
150	TRAVEL OF ORGANIZED UNITS	31,505	31,505	
155	NON–TEMPORARY STORAGE	15,647	15,647	
160	TEMPORARY LODGING EXPENSE	41,227	41,227	
	TOTAL, BUDGET ACTIVITY 5	988,378	988,378	
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	84	84	
175	INTEREST ON UNIFORMED SERVICES SAVINGS	510	510	
180	DEATH GRATUITIES	20,200	20,200	
185	UNEMPLOYMENT BENEFITS	50,854	50,854	
195	EDUCATION BENEFITS	752	752	
200	ADOPTION EXPENSES	157	157	
210	TRANSPORTATION SUBSIDY	2,585	2,585	
215	PARTIAL DISLOCATION ALLOWANCE	58	58	
216	SGLI EXTRA HAZARD PAYMENTS	5,010	5,010	
217	RESERVE OFFICERS TRAINING CORPS [ROTC]	22,326	22,326	
218	JUNIOR ROTC	16,534	16,534	
	TOTAL, BUDGET ACTIVITY 6	119,070	119,070	
	LESS REIMBURSABLES	−470,234	−470,234	
	UNDISTRIBUTED ADJUSTMENT		−620,048	−620,048
	TOTAL, TITLE I, MILITARY PERSONNEL, NAVY	38,020,388	37,400,340	−620,048
300	HEALTH CARE CONTRIBUTION—OFFICERS	363,000	363,000	
300	HEALTH CARE CONTRIBUTION—ENLISTED	1,813,000	1,813,000	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	2,176,000	2,176,000	
	TOTAL, MILITARY PERSONNEL, NAVY	40,196,388	39,576,340	−620,048

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength		−620,048	−620,048

MILITARY PERSONNEL, MARINE CORPS

Budget estimate, 2024 ..... $15,579,629,000
Committee recommendation 15,482,551,000

The Committee recommends an appropriation of $15,482,551,000. This is $97,078,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, MARINE CORPS			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	1,974,868	1,974,868	
10	RETIRED PAY ACCRUAL	590,553	590,553	
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	34,551	34,551	
25	BASIC ALLOWANCE FOR HOUSING	686,747	686,747	
30	BASIC ALLOWANCE FOR SUBSISTENCE	78,085	78,085	
35	INCENTIVE PAYS	53,412	53,412	
40	SPECIAL PAYS	15,873	15,873	
45	ALLOWANCES	37,236	37,236	
50	SEPARATION PAY	20,429	20,429	
55	SOCIAL SECURITY TAX	144,939	144,939	
	TOTAL, BUDGET ACTIVITY 1	3,636,693	3,636,693	
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	5,683,202	5,683,202	
65	RETIRED PAY ACCRUAL	1,701,521	1,701,521	
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	184,452	184,452	
80	BASIC ALLOWANCE FOR HOUSING	1,920,801	1,920,801	
85	INCENTIVE PAYS	7,794	7,794	
90	SPECIAL PAYS	298,736	298,736	
95	ALLOWANCES	244,792	244,792	
100	SEPARATION PAY	105,270	105,270	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
105	SOCIAL SECURITY TAX	434,425	434,425	.....
	TOTAL, BUDGET ACTIVITY 2	10,580,993	10,580,993	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	487,335	487,335	.....
120	SUBSISTENCE–IN–KIND	404,239	404,239	.....
121	FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	10	10	.....
	TOTAL, BUDGET ACTIVITY 4	891,584	891,584	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	67,249	67,249	.....
130	TRAINING TRAVEL	16,999	16,999	.....
135	OPERATIONAL TRAVEL	176,291	176,291	.....
140	ROTATIONAL TRAVEL	92,267	92,267	.....
145	SEPARATION TRAVEL	94,787	94,787	.....
150	TRAVEL OF ORGANIZED UNITS	343	343	.....
155	NON–TEMPORARY STORAGE	8,637	8,637	.....
160	TEMPORARY LODGING EXPENSE	3,388	3,388	.....
165	OTHER	1,857	1,857	.....
	TOTAL, BUDGET ACTIVITY 5	461,818	461,818	.....
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	256	256	.....
175	INTEREST ON UNIFORMED SERVICES SAVINGS	73	73	.....
180	DEATH GRATUITIES	13,600	13,600	.....
185	UNEMPLOYMENT BENEFITS	14,843	14,843	.....
195	EDUCATION BENEFITS			
200	ADOPTION EXPENSES	80	80	.....
210	TRANSPORTATION SUBSIDY	558	558	.....
215	PARTIAL DISLOCATION ALLOWANCE	26	26	.....
216	SGLI EXTRA HAZARD PAYMENTS	1,726	1,726	.....
218	JUNIOR ROTC	4,079	4,079	.....
	TOTAL, BUDGET ACTIVITY 6	35,241	35,241	.....
	LESS REIMBURSABLES	−26,700	−26,700	.....
	UNDISTRIBUTED ADJUSTMENT	.....	−97,078	−97,078
	TOTAL, TITLE I, MILITARY PERSONNEL, MARINE CORPS	15,579,629	15,482,551	−97,078
300	HEALTH CARE CONTRIBUTION—OFFICERS	139,000	139,000	.....
300	HEALTH CARE CONTRIBUTION—ENLISTED	964,000	964,000	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	1,103,000	1,103,000	.....
	TOTAL, MILITARY PERSONNEL, MARINE CORPS	16,682,629	16,585,551	−97,078

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength ...	.....	−97,078	−97,078

MILITARY PERSONNEL, AIR FORCE

Budget estimate, 2024 ..... $36,766,530,000
Committee recommendation 36,118,107,000

The Committee recommends an appropriation of $36,118,107,000. This is $648,423,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, AIR FORCE			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	6,144,316	6,144,316	.....
10	RETIRED PAY ACCRUAL	1,822,432	1,822,432	.....
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	98,618	98,618	.....
25	BASIC ALLOWANCE FOR HOUSING	1,905,549	1,905,549	.....
30	BASIC ALLOWANCE FOR SUBSISTENCE	245,227	245,227	.....
35	INCENTIVE PAYS	445,356	445,356	.....
40	SPECIAL PAYS	381,481	381,481	.....
45	ALLOWANCES	123,972	123,972	.....
50	SEPARATION PAY	38,784	38,784	.....
55	SOCIAL SECURITY TAX	469,428	469,428	.....
	TOTAL, BUDGET ACTIVITY 1	11,675,163	11,675,163	.....
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	11,534,996	11,534,996	.....
65	RETIRED PAY ACCRUAL	3,427,716	3,427,716	.....
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	243,532	243,532	.....
80	BASIC ALLOWANCE FOR HOUSING	5,005,076	5,005,076	.....
85	INCENTIVE PAYS	71,182	71,182	.....
90	SPECIAL PAYS	398,310	398,310	.....
95	ALLOWANCES	652,095	652,095	.....
100	SEPARATION PAY	68,674	68,674	.....
105	SOCIAL SECURITY TAX	882,428	882,428	.....
	TOTAL, BUDGET ACTIVITY 2	22,284,009	22,284,009	.....
	ACTIVITY 3: PAY AND ALLOWANCES OF CADETS			
110	ACADEMY CADETS	100,522	100,522	.....
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	1,368,139	1,368,139	.....
120	SUBSISTENCE–IN–KIND	322,990	322,990	.....
	TOTAL, BUDGET ACTIVITY 4	1,691,129	1,691,129	.....
	ACTIVITY 5: PERMANENT CHANGE OF STATION			
125	ACCESSION TRAVEL	95,864	95,864	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
130	TRAINING TRAVEL	66,338	66,338	
135	OPERATIONAL TRAVEL	338,094	338,094	
140	ROTATIONAL TRAVEL	579,562	579,562	
145	SEPARATION TRAVEL	136,259	136,259	
150	TRAVEL OF ORGANIZED UNITS	13,521	13,521	
155	NON–TEMPORARY STORAGE	32,038	32,038	
160	TEMPORARY LODGING EXPENSE	99,166	99,166	
	TOTAL, BUDGET ACTIVITY 5	1,360,842	1,360,842	
	ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS			
170	APPREHENSION OF MILITARY DESERTERS	26	26	
175	INTEREST ON UNIFORMED SERVICES SAVINGS	1,644	1,644	
180	DEATH GRATUITIES	16,300	16,300	
185	UNEMPLOYMENT BENEFITS	29,781	29,781	
195	EDUCATION BENEFITS	4	4	
200	ADOPTION EXPENSES	407	407	
210	TRANSPORTATION SUBSIDY	7,610	7,610	
215	PARTIAL DISLOCATION ALLOWANCE	24,647	24,647	
216	SGLI EXTRA HAZARD PAYMENTS	5,680	5,680	
217	RESERVE OFFICERS TRAINING CORPS [ROTC]	36,823	36,823	
218	JUNIOR ROTC	24,657	24,657	
	TOTAL, BUDGET ACTIVITY 6	147,579	147,579	
	LESS REIMBURSABLES	−492,714	−492,714	
	UNDISTRIBUTED ADJUSTMENT		−648,423	−648,423
	TOTAL, TITLE I, MILITARY PERSONNEL, AIR FORCE	36,766,530	36,118,107	−648,423
300	HEALTH CARE CONTRIBUTION—OFFICERS	391,000	391,000	
300	HEALTH CARE CONTRIBUTION—ENLISTED	1,657,000	1,657,000	
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	2,048,000	2,048,000	
	TOTAL, MILITARY PERSONNEL, AIR FORCE	38,814,530	38,166,107	−648,423

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength		−648,423	−648,423

MILITARY PERSONNEL, SPACE FORCE

Budget estimate, 2024 ..... $1,266,573,000
Committee recommendation 1,210,928,000

The Committee recommends an appropriation of $1,210,928,000. This is $55,645,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	MILITARY PERSONNEL, SPACE FORCE			
	ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS			
5	BASIC PAY	437,872	437,872	
10	RETIRED PAY ACCRUAL	130,516	130,516	
11	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	2,840	2,840	
25	BASIC ALLOWANCE FOR HOUSING	139,278	139,278	
30	BASIC ALLOWANCE FOR SUBSISTENCE	17,586	17,586	
40	SPECIAL PAYS	1,917	1,917	
45	ALLOWANCES	2,627	2,627	
50	SEPARATION PAY	3,606	3,606	
55	SOCIAL SECURITY TAX	33,435	33,435	
	TOTAL, BUDGET ACTIVITY 1	769,677	769,677	
	ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL			
60	BASIC PAY	216,094	216,094	
65	RETIRED PAY ACCRUAL	64,058	64,058	
66	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	4,834	4,834	
80	BASIC ALLOWANCE FOR HOUSING	109,856	109,856	
90	SPECIAL PAYS	8,298	8,298	
95	ALLOWANCES	7,697	7,697	
100	SEPARATION PAY	1,376	1,376	
105	SOCIAL SECURITY TAX	16,531	16,531	
	TOTAL, BUDGET ACTIVITY 2	428,744	428,744	
	ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL			
115	BASIC ALLOWANCE FOR SUBSISTENCE	27,027	27,027	
	ACTIVITY 5: PERMANENT CHANGE OF STATION TRAVEL			
125	ACCESSION TRAVEL	6,504	6,504	
130	TRAINING TRAVEL	2,880	2,880	
135	OPERATIONAL TRAVEL	11,287	11,287	
140	ROTATIONAL TRAVEL	9,180	9,180	
145	SEPARATION TRAVEL	4,616	4,616	
150	TRAVEL OF ORGANIZED UNITS	87	87	
155	NON–TEMPORARY STORAGE	1,243	1,243	
160	TEMPORARY LODGING EXPENSE	2,422	2,422	
	TOTAL, BUDGET ACTIVITY 5	38,219	38,219	
	ACTIVITY 6: OTHER MILITARY PERSONNEL COST			
180	DEATH GRATUITIES	1,600	1,600	
185	UNEMPLOYMENT BENEFITS	1,086	1,086	
200	ADOPTION EXPENSES	8	8	
210	TRANSPORTATION SUBSIDY	170	170	
216	SGLI EXTRA HAZARD PAYMENTS	42	42	
	TOTAL, BUDGET ACTIVITY 6	2,906	2,906	
	UNDISTRIBUTED ADJUSTMENT		−55,645	−55,645
	TOTAL, TITLE I, MILITARY PERSONNEL, SPACE FORCE	1,266,573	1,210,928	−55,645

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
300	HEALTH CARE CONTRIBUTION—OFFICERS	29,000	29,000	.....
300	HEALTH CARE CONTRIBUTION—ENLISTED	29,000	29,000	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	58,000	58,000	.....
	TOTAL, MILITARY PERSONNEL, SPACE FORCE	1,324,573	1,268,928	−55,645

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Unobligated balances	.....	−55,645	−55,645

RESERVE PERSONNEL, ARMY

Budget estimate, 2024 ..... $5,367,436,000
Committee recommendation 5,333,436,000

The Committee recommends an appropriation of $5,333,436,000. This is $34,000,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	1,592,538	1,592,538	.....
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	47,438	47,438	.....
30	PAY GROUP F TRAINING (RECRUITS)	239,074	239,074	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	6,336	6,336	.....
60	MOBILIZATION TRAINING	2,678	2,678	.....
70	SCHOOL TRAINING	238,216	238,216	.....
80	SPECIAL TRAINING	365,520	365,520	.....
90	ADMINISTRATION AND SUPPORT	2,735,707	2,735,707	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	25,635	25,635	.....
100	EDUCATION BENEFITS	14,665	14,665	.....
120	HEALTH PROFESSION SCHOLARSHIP	60,890	60,890	.....
130	OTHER PROGRAMS (ADMIN & SUPPORT)	38,739	38,739	.....
	TOTAL, BUDGET ACTIVITY 1	5,367,436	5,367,436	.....
	UNDISTRIBUTED ADJUSTMENT	.....	−34,000	−34,000
	TOTAL, TITLE I, RESERVE PERSONNEL, ARMY	5,367,436	5,333,436	−34,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	503,000	503,000	
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	503,000	503,000	
	TOTAL, RESERVE PERSONNEL, ARMY	5,870,436	5,836,436	−34,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed Adjustment: Prior year unobligated balances		−34,000	−34,000

RESERVE PERSONNEL, NAVY

Budget estimate, 2024 ..... $2,504,718,000
Committee recommendation 2,481,249,000

The Committee recommends an appropriation of $2,481,249,000. This is $23,469,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, NAVY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	795,087	795,087	
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	11,602	11,602	
30	PAY GROUP F TRAINING (RECRUITS)	53,811	53,811	
60	MOBILIZATION TRAINING	16,085	16,085	
70	SCHOOL TRAINING	68,856	68,856	
80	SPECIAL TRAINING	151,068	151,068	
90	ADMINISTRATION AND SUPPORT	1,333,883	1,333,883	
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	10,968	10,968	
100	EDUCATION BENEFITS	2,323	2,323	
120	HEALTH PROFESSION SCHOLARSHIP	61,035	61,035	
	TOTAL, BUDGET ACTIVITY 1	2,504,718	2,504,718	
	UNDISTRIBUTED ADJUSTMENT		−23,469	−23,469
	TOTAL, TITLE I, RESERVE PERSONNEL, NAVY	2,504,718	2,481,249	−23,469
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	184,000	184,000	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	184,000	184,000	
	TOTAL, RESERVE PERSONNEL, NAVY	2,688,718	2,665,249	−23,469

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength		−23,469	−23,469

RESERVE PERSONNEL, MARINE CORPS

Budget estimate, 2024 ..... $903,928,000
Committee recommendation 879,613,000

The Committee recommends an appropriation of $879,613,000. This is $24,315,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, MARINE CORPS			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	266,019	266,019	
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	54,276	54,276	
30	PAY GROUP F TRAINING (RECRUITS)	137,336	137,336	
60	MOBILIZATION TRAINING	1,426	1,426	
70	SCHOOL TRAINING	27,169	27,169	
80	SPECIAL TRAINING	65,086	65,086	
90	ADMINISTRATION AND SUPPORT	331,318	331,318	
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	7,747	7,747	
95	PLATOON LEADER CLASS	7,469	7,469	
100	EDUCATION BENEFITS	6,082	6,082	
	TOTAL, BUDGET ACTIVITY 1	903,928	903,928	
	UNDISTRIBUTED ADJUSTMENT		−24,315	−24,315
	TOTAL, TITLE I, RESERVE PERSONNEL, MARINE CORPS	903,928	879,613	−24,315
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	94,000	94,000	
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	94,000	94,000	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RESERVE PERSONNEL, MARINE CORPS	997,928	973,613	−24,315

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength		−24,315	−24,315

RESERVE PERSONNEL, AIR FORCE

Budget estimate, 2024 ..... $2,471,408,000
Committee recommendation 2,450,005,000

The Committee recommends an appropriation of $2,450,005,000. This is $21,403,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESERVE PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	757,342	757,342	
20	PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	113,309	113,309	
30	PAY GROUP F TRAINING (RECRUITS)	60,515	60,515	
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	5,146	5,146	
60	MOBILIZATION TRAINING	769	769	
70	SCHOOL TRAINING	198,725	198,725	
80	SPECIAL TRAINING	333,078	333,078	
90	ADMINISTRATION AND SUPPORT	902,980	902,980	
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	15,734	15,734	
100	EDUCATION BENEFITS	10,404	10,404	
120	HEALTH PROFESSION SCHOLARSHIP	72,435	72,435	
130	OTHER PROGRAMS (ADMIN & SUPPORT)	971	971	
	TOTAL, BUDGET ACTIVITY 1	2,471,408	2,471,408	
	UNDISTRIBUTED ADJUSTMENT		−21,403	−21,403
	TOTAL, TITLE I, RESERVE PERSONNEL, AIR FORCE	2,471,408	2,450,005	−21,403
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	198,000	198,000	
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	198,000	198,000	
	TOTAL, RESERVE PERSONNEL, AIR FORCE	2,669,408	2,648,005	−21,403

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
UNDIST	Undistributed adjustment: Underexecution of strength ...	.....	−21,403	−21,403

NATIONAL GUARD PERSONNEL, ARMY

Budget estimate, 2024 ..... $9,783,569,000
Committee recommendation 9,786,667,000

The Committee recommends an appropriation of $9,786,667,000. This is $3,098,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, ARMY			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	2,720,787	2,720,787	.....
30	PAY GROUP F TRAINING (RECRUITS)	600,118	600,118	.....
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	60,361	60,361	.....
70	SCHOOL TRAINING	591,765	592,765	+1,000
80	SPECIAL TRAINING	819,779	843,223	+23,444
90	ADMINISTRATION AND SUPPORT	4,941,628	4,941,628	.....
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	38,840	38,840	.....
100	EDUCATION BENEFITS	10,291	10,291	.....
	TOTAL, BUDGET ACTIVITY 1	9,783,569	9,808,013	+24,444
	UNDISTRIBUTED ADJUSTMENT	.....	−21,346	−21,346
	TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, ARMY ..	9,783,569	9,786,667	+3,098
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	972,000	972,000	.....
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	972,000	972,000	.....
	TOTAL, NATIONAL GUARD PERSONNEL, ARMY	10,755,569	10,758,667	+3,098

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
070	School Training	591,765	592,765	+1,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Army Mountain Warfare School operations			+1,000
080	Special Training	819,779	843,223	+23,444
	Program increase: Wildfire training			+8,500
	Program increase: Advanced trauma and public health direct training services			+3,044
	Program increase: Irregular warfare training exercises			+3,500
	Program increase: State Partnership Program			+8,400
UNDIST	Undistributed adjustment: Revised budget estimate		−30,846	−30,846
UNDIST	Program increase: Exercise Northern Strike		8,500	+8,500
UNDIST	Program increase: National Guard Mission Assurance Program		1,000	+1,000

NATIONAL GUARD PERSONNEL, AIR FORCE

Budget estimate, 2024 ..... $5,292,425,000
Committee recommendation 5,264,865,000

The Committee recommends an appropriation of $5,264,865,000. This is $27,560,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	NATIONAL GUARD PERSONNEL, AIR FORCE			
	ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT			
10	PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	1,125,121	1,125,121	
30	PAY GROUP F TRAINING (RECRUITS)	106,460	106,460	
40	PAY GROUP P TRAINING (PIPELINE RECRUITS)	4,405	4,405	
70	SCHOOL TRAINING	319,496	319,496	
80	SPECIAL TRAINING	217,458	229,098	+11,640
90	ADMINISTRATION AND SUPPORT	3,475,783	3,475,783	
94	THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	27,540	27,540	
100	EDUCATION BENEFITS	16,162	16,162	
	TOTAL, BUDGET ACTIVITY 1	5,292,425	5,304,065	+11,640
	UNDISTRIBUTED ADJUSTMENT		−39,200	−39,200
	TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, AIR FORCE	5,292,425	5,264,865	−27,560
300	HEALTH CARE CONTRIBUTION—RESERVE COMPONENT	372,000	372,000	
	TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108–375)	372,000	372,000	
	TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	5,664,425	5,636,865	−27,560

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
080	Special Training	217,458	229,098	+11,640
	Program increase: Advanced trauma and public health direct training services			+2,840
	Program increase: State Partnership Program			+2,800
	Program increase: Wildfire training			+6,000
UNDIST	Undistributed adjustment: Revised budget estimate		−41,200	−41,200
	Program increase: Exercise Northern Strike		2,000	+2,000

TITLE II

OPERATION AND MAINTENANCE

Funds appropriated under this title provide the resources required to prepare for and conduct combat operations and other peace time missions. These funds are used to purchase fuel and spare parts for training operations, pay supporting civilian personnel, and purchase supplies, equipment, and service contracts for the repair of weapons and facilities.

The President's fiscal year 2024 budget requests a total of $290,071,993,000 for operation and maintenance appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends operation and maintenance appropriations totaling $289,919,031,000 for fiscal year 2024. This is $152,962,000 below the budget estimate.

Committee recommended operation and maintenance appropriations for fiscal year 2024 are summarized below:

SUMMARY OF OPERATION AND MAINTENANCE APPROPRIATIONS

SUMMARY OF OPERATION AND MAINTENANCE APPROPRIATIONS

[In thousands of dollars]

Account	2024 budget estimate	Committee recommendation	Change from budget estimate
Operation and Maintenance:			
Operation and Maintenance, Army	59,554,553	59,904,900	+350,347
Operation and Maintenance, Navy	72,244,533	72,224,550	−19,983
Operation and Maintenance, Marine Corps	10,281,913	10,299,917	+18,004
Operation and Maintenance, Air Force	62,750,095	62,449,894	−300,201
Operation and Maintenance, Space Force	5,017,468	4,958,408	−59,060
Operation and Maintenance, Defense-Wide	52,768,263	52,508,990	−259,273
Counter-Islamic State of Iraq and Syria Train and Equip Fund	397,950	372,950	−25,000
Operation and Maintenance, Army Reserve	3,630,948	3,623,948	−7,000
Operation and Maintenance, Navy Reserve	1,380,810	1,384,310	+3,500
Operation and Maintenance, Marine Corps Reserve	329,395	329,895	+500
Operation and Maintenance, Air Force Reserve	4,116,256	4,003,756	−112,500
Operation and Maintenance, Army National Guard	8,683,104	8,706,797	+23,693
Operation and Maintenance, Air National Guard	7,253,694	7,268,605	+14,911
United States Court of Appeals for the Armed Forces	16,620	16,620	.....
Environmental Restoration, Army	198,760	265,860	+67,100
Environmental Restoration, Navy	335,240	405,240	+70,000
Environmental Restoration, Air Force	349,744	406,744	+57,000
Environmental Restoration, Defense-Wide	8,965	8,965	.....
Environmental Restoration, Formerly Used Defense Sites	232,806	232,806	.....
Overseas Humanitarian, Disaster, and Civic Aid	114,900	114,900	.....
Cooperative Threat Reduction Account	350,999	350,999	.....
Department of Defense Acquisition Workforce Development Account	54,977	79,977	+25,000
Total	290,071,993	289,919,031	−152,962

REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE ACCOUNTS

The Committee directs the Secretary of Defense to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2024 appropriation accounts not later than 60 days after the enactment of this act. The Secretary of Defense is prohibited from executing any reprogramming or transfer of funds for any purpose other than originally appropriated until the aforementioned report is submitted to the House and Senate Appropriations Committees.

The Committee directs the Secretary of Defense to use the normal prior approval reprogramming procedures to transfer funds in the services' operation and maintenance accounts between O–1 budget activities, or between subactivity groups in the case of Operation and Maintenance, Defense-Wide, in excess of $15,000,000. In addition, the Secretary of Defense shall follow prior approval reprogramming procedures for transfers in excess of $15,000,000 out of the following readiness activity groups or sub-activity groups:

Army:
- Activity Group 11 Land Forces
- Activity Group 12 Land Forces Readiness
- Activity Group 13 Land Forces Readiness Support
- Activity Group 32 Base Skill and Advanced Training

Navy:
- Activity Group 1A Air Operations
- Activity Group 1B Ship Operations
- Activity Group 1C Combat Operations/Support
- Activity Group BS Base Support

Marine Corps:
- Activity Group 1A Expeditionary Forces
- Activity Group BS Base Support

Air Force:
- Activity Group "Air Operations", which includes Sub-activity Groups 011A Primary Combat Force and 011C Combat Enhancement Forces
- Activity Group "Weapons Systems Sustainment", which includes Sub-activity groups 011M Depot Purchase Equipment Maintenance, 011V Cyberspace Sustainment, and 011W Contractor Logistics Support and System Support
- Activity Group "Installations", which includes Sub-activity groups 011R Facilities Sustainment, Restoration, and Modernization, and 011Z Base Support
- Activity Group "Flying Hours", which is only Sub-activity group 011Y Flying Hour Program

Space Force:
- Sub-activity Group 013C Space Operations
- Sub-activity Group 013W Contractor Logistics Support and System Support
- Sub-activity Group 042A Administration

Air Force Reserve:
- Sub-activity Group 011A Primary Combat Forces

Air National Guard:
- Sub-activity Group 011F Aircraft Operations

Additionally, the Committee directs the Secretary of Defense to use normal prior approval reprogramming procedures when implementing transfers in excess of $15,000,000 into the following budget sub-activity groups:

Army National Guard:
- Sub-activity Group 131 Base Operations Support
- Sub-activity Group 132 Facilities Sustainment, Restoration, and Modernization
- Sub-activity Group 133 Management and Operational Headquarters

Air National Guard:
- Sub-activity Group 011W Contractor Logistics Support and System Support

REPROGRAMMING GUIDANCE FOR SPECIAL OPERATIONS COMMAND

The Committee directs the Secretary of Defense to submit a baseline report that shows the United States Special Operations Command's operation and maintenance funding by sub-activity group for the fiscal year 2024 appropriation, not later than 60 days after the enactment of this act. The Secretary of Defense is further directed to submit quarterly execution reports to the congressional defense committees not later than 45 days after the end of each fiscal quarter that addresses the rationale for the realignment of any funds within and between budget sub-activities. Finally, the Secretary of Defense is directed to notify the congressional defense committees 30 days prior to the realignment of funds in excess of $15,000,000 between sub-activity groups.

OPERATION AND MAINTENANCE BUDGET EXECUTION DATA

The Committee directs the Secretary of Defense and Service Secretaries to continue to provide the congressional defense committees with quarterly budget execution data. Such data should be provided not later than 45 days after the close of each quarter of the fiscal year, and should be provided for each O–1 budget activity, activity group, and sub-activity group for each of the active, defense-wide, reserve, and National Guard components. For each O–1 budget activity, activity group, and sub-activity group, these reports should include the budget request and actual obligation amount, the distribution of unallocated congressional adjustments to the budget request, all adjustments made by the Department in establishing the Base for Reprogramming (DD Form 1414) report, all adjustments resulting from below threshold reprogrammings, and all adjustments resulting from prior approval reprogramming requests.

OPERATION AND MAINTENANCE SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or have been specifically reduced as shown in the project level tables or in paragraphs using the phrase "only for" or "only to" in the Committee explanatory statement are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount as specifically addressed in the Committee

explanatory statement. Below threshold reprogrammings may not be used to either restore or reduce funding from congressional special interest items as identified on the DD Form 1414.

OPERATION AND MAINTENANCE OVERVIEW

Civilian Workforce.—The Committee expects the Department of Defense to maintain a stable, effective, and right-sized civilian cadre. The Committee further expects the hiring process to be responsive and efficient in order to build the workforce needed to achieve its mission and strategic goals. The Committee recognizes the critical role that the civilian workforce plays every day in ensuring the mission success of the Armed Forces.

Exceptional Children.—The Committee recognizes the role of early intervention services in providing developmental services for infants and toddlers with disabilities in a child's natural environment at overseas and Stateside installations. The Committee directs the Secretary of Defense to provide a report to the congressional defense committees examining the unmet needs at installations with the exceptional family member programs not later than 180 days after enactment of this act. This report shall include the implementation, compliance, and coordination of child care activities in accordance with Department of Defense policy (32 CFR § 57.4) and the Individuals with Disabilities Education Act (Public Law 101–476) including but not limited to the following subject matters: (1) special education and related services, including physical therapy, speech therapy and occupational therapy, availability and wait times for evaluations and delivery for these services; (2) time and frequency of evaluations for suspected or known infants, toddlers, and children with disabilities; (3) the ratio of qualified early intervention service providers to infants, toddlers, or children with disabilities in various settings; and (4) the transitional services available to transition infants, toddlers, or children with disabilities from their natural environment to a local education agency when they become of age.

Implementation of the Recommendations of the Suicide Prevention and Response Independent Review Committee.—The Committee commends the Suicide Prevention and Response Independent Review Committee [SPRIRC] for its comprehensive review of the Department of Defense's activities, policies, and programs to prevent and respond to suicides of servicemembers as directed by Section 738 of the National Defense Authorization Act for Fiscal Year 2022 (Public Law 117–81). The Committee recommends $10,000,000 above the budget request for the Department of Defense to implement the SPRIRC's recommendations. The Committee directs the Secretary of Defense to provide a spend plan for the additional funds to the Committees on Appropriations on the House of Representatives and the Senate not later than 60 days after enactment of this act.

Addressing Sexual Assault.—The Committee continues to support the Department of Defense's efforts to eradicate the crime of sexual assault, and implement the recommendations of the Independent Review Commission on Sexual Assault in the Military. The Committee recommends $47,000,000 above the budget request for the

Department of Defense to continue the Special Victims' Counsel Program.

United States-Japan Alliance and Exercises in the Indo-Pacific Theater.—The Committee reaffirms that the United States-Japan alliance has served as a cornerstone of peace, security, and prosperity in the Indo-Pacific for over six decades. The Committee believes that military exercises in the Indo-Pacific are key to advancing bilateral goals, and the Committee notes that concrete metrics are important for both Congress and the Department of Defense in making informed policy decisions.

Accordingly, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees, not later than 90 days after the enactment of this act, detailing how exercises in the Indo-Pacific theater that utilize Joint Exercise Life Cycle [JELC] methodology and include participation of Japanese Self Defense Forces [JSDF]: (1) promote the modernization of the U.S.-Japan alliance, including enhanced technological capabilities to increase deterrence, (2) expand U.S.-Japan alliance partnerships such as increasing trilateral training and exercises to enhance interoperability, and (3) optimize U.S.-Japan alliance posture by supporting improved operational concepts and enhanced capabilities to address security challenges in the region, including the defense of the Southwestern islands of Japan. The report shall further detail how the JELC exercises that include the JSDF adhere to goals outlined in the January 11, 2023 Joint Statement of the U.S.-Japan Security Consultative Committee (2+2).

Red Hill Bulk Fuel Storage Facility.—The Committee supports the defueling and closure of the Red Hill Bulk Fuel Storage Facility and encourages the Secretary of Defense to continue to work with the State of Hawaii to accomplish these plans in a safe and timely manner. The Committee further supports efforts to rapidly pursue dispersed fuel storage strategies that will not require the use of the Red Hill Bulk Fuel Storage Facility and that will more strategically meet national security interests. The Committee expects the Secretary of Defense to stand by the commitment to not reutilize the Red Hill Bulk Fuel Storage Facility for fuel operations or fuel storage in the future.

Life Safety and Accessibility-Compliant Doors for Sensitive Compartmentalized Information Facilities.—The Committee notes the importance of sensitive compartmentalized information facilities [SCIFs] being compliant with the Americans with Disability Act and the Architectural Barriers Act to provide access to differently abled staff and authorized personnel working with classified information. The Committee encourages Secretary of Defense and Service Secretaries to update facility and construction guidelines with applicable specifications, guidance, and technical documentation to address inclusion of life safety and accessibility hardware for SCIF doors at the time of construction, renovation, or replacement.

Cybersecurity Workforce Expertise Management.—The Committee notes the disparate tracking of cybersecurity workforce qualifications and training across the military services. The Committee understands that the Army has had success using a commercial-off-the-shelf software tracking technology with real-time access to cyber workforce data that allows it to consistently and accurately

catalogue each individual's existing and required training and qualifications. The Committee encourages the Secretaries of the Navy and Air Force to pursue the use of an automated cybersecurity workforce system to inventory and validate individual qualifications and training pertaining to cyber work roles.

Environmental Restoration Program Transparency.—The Committee recommends an increase of $194,100,000 for the military services' environmental restoration accounts for the Installation Restoration Program, Military Munitions Response Program and per- and polyfluoroalkyl substances remediation. The Committee remains concerned about the limited visibility into how the Secretary of Defense and Service Secretaries evaluate and prioritize remediation projects for annual funding. The Committee notes that the Department of Defense Appropriations Act, 2023 (Public Law 117–328) included new reporting requirements relating to these programs which have not been met by the Secretary of Defense and Service Secretaries. Therefore, the Committee directs the Secretary of Defense and the Service Secretaries to provide a report on Environmental Restoration Program implementation to the congressional defense committees not later than 90 days after enactment of this act. The report shall include an explanation of the evaluation processes and criteria, and a spend plan for account activities along with project location, funding history, and total cost. In addition, the Committee directs the Secretary of Defense and the Service Secretaries to provide quarterly budget execution briefings to the Committees on Appropriations of the House of Representatives and Senate not later than 45 days after the enactment of this act.

Drinking Water Contamination.—The Committee remains concerned about the health implications of contaminated drinking water caused by per- and polyfluoroalkyl substances [PFAS]. Therefore, the Committee recommends $67,134,000 above the fiscal year 2024 President's budget request in the operation and maintenance and environmental restoration accounts for the Department of Defense and the military services to remediate drinking water contaminated by PFAS. The Committee directs the Service Secretaries to provide a spend plan to the Committees on Appropriations of the House of Representatives and the Senate for these additional funds not later than 90 days after the enactment of this act.

The Committee recognizes that the Department of Defense has identified more than 700 active and former installations where it is conducting or has completed an assessment of PFAS use or potential release. The Committee directs the Secretary of Defense to prioritize PFAS remediation activities at the installations with the highest risk of exposure to PFAS from Department of Defense activities, focusing on installations in the United States where the Department of Defense was the drinking water purveyor and the perfluorooctane sulfonate [PFOS] and/or perfluorooctanoic acid [PFOA] water concentrations were above the Environmental Protection Agency's [EPA] lifetime health advisories level of 70 parts-per-trillion. At the end of the second quarter of fiscal year 2023, the Department of Defense had completed the preliminary assessment and site inspection phase at 425 installations, 60 percent of the more than 700 identified installations. The Committee directs the Department of Defense to enhance its efforts to complete the

preliminary assessment and site inspection for all remaining installations to help determine where remediation activities are needed.

Further, the Committee notes with concern that the Department of Defense is using lifetime drinking water health advisories for PFOS and PFOA that were issued by the EPA in 2016. However, the EPA proposed a national drinking water standard for six PFAS, including PFOS and PFOA, on March 14, 2023. The Committee directs the Secretary of Defense and the Service Secretaries to brief the Committees on Appropriations of the House of Representatives and the Senate not later than 90 days after enactment of this act on its preparations to incorporate EPA's final regulatory standards into the Department of Defense's cleanup program and again not later than 90 days following issuance of a final rule on how the Department of Defense has complied with the new regulatory standards, to include an estimate of the anticipated costs incurred during fiscal year 2024 to comply with the new standards. In addition, the Committee directs the Secretary of Defense and the Service Secretaries to include separate budget justification materials on PFAS remediation and aqueous film forming foam removal and disposal activities in the operation and maintenance and environmental restoration accounts to the congressional defense committees no later than 30 days after the fiscal year 2025 President's budget request is delivered to Congress that includes an updated assessment of the entire funding requirement for those known costs.

Aqueous Film Forming Foam.—The Committee recommends an additional $179,500,000 in the operation and maintenance accounts for aqueous film forming foam [AFFF] removal, disposal, and replacement activities in both mobile and fixed fire suppression systems. The Committee understands that each military service has its own plan for AFFF replacement and that the Department of the Navy is now qualifying fluorine-free firefighting foam under the new military specification.

National Guard Bureau Environmental Cleanup.—The Committee directs the Secretary of Defense to provide a report to the congressional defense committees on the progress of remediation of hazardous substances on land surrounding National Guard installations not later than 180 days after the enactment of this act. The report shall also address the rate of cleanup of land surrounding National Guard installations, an evaluation of such progress when compared to active duty locations, and recommendations for additional resources or authorities needed to achieve parity in cleanup between National Guard and active duty locations. The Secretary of Defense shall take into consideration delays caused by the National Guard's exclusion from the Defense Environmental Restoration Program for several years and the unique needs of National Guard installations and surrounding communities. In addition, the report shall detail available opportunities for municipalities to enter into agreements with State and Federal National Guard entities, existing efforts to inform municipalities of such opportunities, and recommendations for ways to improve outreach and simplify application processes.

Military Munitions at Former Naval Defense Sea Areas.—The Committee is aware of efforts to develop advanced underwater

search technologies to enable more accurate surveys of military munition disposal sites in deeper waters, which is inhibited by currently available technology. The Committee encourages the Secretary of Defense and the Secretary of the Navy to continue monitoring the development of these technologies, and to conduct preliminary assessments and remedial investigations of deep water munitions disposal sites as appropriate and permitted under law when such technologies are matured and available. Further, the Committee directs the Secretary of the Navy to provide a briefing not later than 90 days after the enactment of this act on developments in new underwater search technologies, as well as the Department of the Navy's plans for further surveying of the former Naval defense sea areas as these future technologies become available.

OPERATION AND MAINTENANCE, ARMY

Budget estimate, 2024 ..... $59,554,553,000
Committee recommendation 59,904,900,000

The Committee recommends an appropriation of $59,904,900,000. This is $350,347,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MANEUVER UNITS	3,943,409	4,113,409	+170,000
20	MODULAR SUPPORT BRIGADES	225,238	225,238	
30	ECHELONS ABOVE BRIGADES	947,395	947,395	
40	THEATER LEVEL ASSETS	2,449,141	2,449,141	
50	LAND FORCES OPERATIONS SUPPORT	1,233,070	1,233,070	
60	AVIATION ASSETS	2,046,144	2,006,144	−40,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	7,149,427	7,090,127	−59,300
80	LAND FORCES SYSTEMS READINESS	475,435	475,435	
90	LAND FORCES DEPOT MAINTENANCE	1,423,560	1,423,560	
100	MEDICAL READINESS	951,499	917,499	−34,000
	LAND FORCES READINESS SUPPORT			
110	BASE OPERATIONS SUPPORT	9,943,031	9,965,362	+22,331
120	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	5,381,757	5,831,757	+450,000
130	MANAGEMENT AND OPERATIONAL HEADQUARTERS	313,612	313,612	
140	ADDITIONAL ACTIVITIES	454,565	434,565	−20,000
150	RESET	447,987	447,987	
	COMBATANT COMMAND SUPPORT			
160	US AFRICA COMMAND	414,680	415,230	+550
170	US EUROPEAN COMMAND	408,529	409,589	+1,060
180	US SOUTHERN COMMAND	285,692	286,267	+575
190	US FORCES KOREA	88,463	88,463	
	CYBERSPACE ACTIVITIES			
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	507,845	507,845	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
210	CYBER SPACE ACTIVITIES—CYBERSECURITY	704,667	704,667	
220	JOINT CYBER MISSION FORCES			
	TOTAL, BUDGET ACTIVITY 1	39,795,146	40,286,362	+491,216
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
230	STRATEGIC MOBILITY	470,143	470,143	
240	ARMY PREPOSITIONED STOCKS	433,909	433,909	
250	INDUSTRIAL PREPAREDNESS	4,244	4,244	
	TOTAL, BUDGET ACTIVITY 2	908,296	908,296	
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
260	OFFICER ACQUISITION	178,428	178,428	
270	RECRUIT TRAINING	78,235	78,235	
280	ONE STATION UNIT TRAINING	114,777	114,777	
290	SENIOR RESERVE OFFICERS TRAINING CORPS	551,462	552,312	+850
	BASIC SKILL AND ADVANCED TRAINING			
300	SPECIALIZED SKILL TRAINING	1,147,431	1,132,431	−15,000
310	FLIGHT TRAINING	1,398,415	1,398,415	
320	PROFESSIONAL DEVELOPMENT EDUCATION	200,779	200,779	
330	TRAINING SUPPORT	682,896	682,896	
	RECRUITING AND OTHER TRAINING AND EDUCATION			
340	RECRUITING AND ADVERTISING	690,280	780,280	+90,000
350	EXAMINING	195,009	195,009	
360	OFF-DUTY AND VOLUNTARY EDUCATION	260,235	260,235	
370	CIVILIAN EDUCATION AND TRAINING	250,252	250,252	
380	JUNIOR RESERVE OFFICERS TRAINING CORPS	204,895	206,895	+2,000
	TOTAL, BUDGET ACTIVITY 3	5,953,094	6,030,944	+77,850
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
400	SERVICEWIDE TRANSPORTATION	718,323	718,323	
410	CENTRAL SUPPLY ACTIVITIES	900,624	875,624	−25,000
420	LOGISTICS SUPPORT ACTIVITIES	828,059	822,659	−5,400
430	AMMUNITION MANAGEMENT	464,029	464,029	
	SERVICEWIDE SUPPORT			
440	ADMINISTRATION	537,837	537,837	
450	SERVICEWIDE COMMUNICATIONS	1,962,059	1,926,059	−36,000
460	MANPOWER MANAGEMENT	361,553	353,553	−8,000
470	OTHER PERSONNEL SUPPORT	829,248	829,248	
480	OTHER SERVICE SUPPORT	2,370,107	2,353,107	−17,000
490	ARMY CLAIMS ACTIVITIES	203,323	203,323	
500	REAL ESTATE MANAGEMENT	286,682	291,682	+5,000
510	FINANCIAL MANAGEMENT AND AUDIT READINESS	455,928	455,928	
520	DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT	39,867	69,867	+30,000
	SUPPORT OF OTHER NATIONS			
530	INTERNATIONAL MILITARY HEADQUARTERS	610,201	610,201	
540	MISC SUPPORT OF OTHER NATIONS	38,948	38,948	
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	2,291,229	2,278,560	−12,669
	TOTAL, BUDGET ACTIVITY 4	12,898,017	12,828,948	−69,069

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Public Law 115-68 IMPLEMENTATION		350	+350
	PROJECTED UNDEREXECUTION		−150,000	−150,000
	TOTAL, OPERATION AND MAINTENANCE, ARMY	59,554,553	59,904,900	+350,347

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	3,943,409	4,113,409	+170,000
	Program decrease unaccounted for			−190,000
	Program increase: Expanding INDOPACOM campaigning activities			+360,000
116	Aviation Assets	2,046,144	2,006,144	−40,000
	Unjustified growth			−40,000
121	Force Readiness Operations Support	7,149,427	7,090,127	−59,300
	Unjustified growth			−116,000
	Program increase: Improvements to warfighter limb protection			+2,000
	Tactical Electronic Surveillance System—Adv Development; Air Vigilance Operations and Sustainment			+14,700
	Program increase: Ultra-lightweight Camouflage net system increment 1			+40,000
124	Medical Readiness	951,499	917,499	−34,000
	Unjustified growth			−34,000
131	Base Operations Support	9,943,031	9,965,362	+22,331
	Unjustified growth			−27,669
	Program increase: Aqueous film forming foam replacement related activities			+50,000
132	Facilities Sustainment, Restoration & Modernization	5,381,757	5,831,757	+450,000
	Program increase			+450,000
135	Additional Activities	454,565	434,565	−20,000
	Program decrease unaccounted for			−20,000
141	US Africa Command	414,680	415,230	+550
	Program increase: Public Law 115–68			+550
142	US European Command	408,529	409,589	+1,060
	Program increase: Public Law 115–68			+1,060
143	US Southern Command	285,692	286,267	+575
	Program increase: Public Law 115–68			+575
314	Senior Reserve Officers Training Corps	551,462	552,312	+850
	Program increase: ROTC helicopter training program			+850
321	Specialized Skill Training	1,147,431	1,132,431	−15,000
	Unjustified growth			−15,000
331	Recruiting and Advertising	690,280	780,280	+90,000
	Program increase			+90,000
335	Junior Reserve Officer Training Corps	204,895	206,895	+2,000
	Program increase: JROTC STEM training and education			+2,000
422	Central Supply Activities	900,624	875,624	−25,000
	Program decrease unaccounted for			−25,000
423	Logistic Support Activities	828,059	822,659	−5,400
	Unjustified growth			−15,000
	Program increase: Next generation transponders			+9,600
432	Servicewide Communications	1,962,059	1,926,059	−36,000
	Unjustified growth			−36,000
433	Manpower Management	361,553	353,553	−8,000
	Unjustified growth			−8,000
435	Other Service Support	2,370,107	2,353,107	−17,000
	Program decrease unaccounted for			−17,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
437	Real Estate Management	286,682	291,682	+5,000
	Program increase: Real estate inventory tool			+5,000
43Q	Defense Acquisition Workforce Development Account	39,867	69,867	+30,000
	Program increase: Acquisition workforce training			+30,000
999	Security Programs	2,291,229	2,278,560	−12,669
	Classified adjustment			−12,669
UNDIST	Projected underexecution		−150,000	−150,000
UNDIST	Program increase: Public Law 115–68 Implementation		350	+350

Army Facilities Sustainment, Restoration and Modernization and Facility Reduction Funding.—The Committee recommends a robust funding level in fiscal year 2024 for facilities sustainment, restoration, and modernization. The Secretary of the Army is encouraged to use a portion of these funds for the following types of projects: repair and modernization of facilities in arctic locations, remediation and prevention of mold in military facilities, and continued demolition of obsolete and condemned military infrastructure.

Army Intermodal Rail Yard Improvements.—The Committee is aware of the importance of the Robert J. Dole intermodal rail yard to the Army's ability to rapidly deploy brigade combat teams [BCT] such as the First Infantry from Fort Riley, Kansas and encourages the Secretary of the Army to evaluate and consider making investments to the rail yard infrastructure consistent with the Army's surface deployment study to ensure high levels of BCT deployment readiness capability.

Cyber Special Skills Training.—The Committee encourages the Secretary of the Army to prioritize cyber special skills training resources for the U.S. Army Cyber Command workforce to address the growing demand for cybersecurity professionals with the proper training and certifications.

OPERATION AND MAINTENANCE, NAVY

Budget estimate, 2024 ..... $72,244,533,000
Committee recommendation 72,224,550,000

The Committee recommends an appropriation of $72,224,550,000. This is $19,983,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	7,882,504	7,882,504	
20	FLEET AIR TRAINING	2,773,957	2,773,957	
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES	73,047	73,047	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
40	AIR OPERATIONS AND SAFETY SUPPORT	213,862	213,862	.....
50	AIR SYSTEMS SUPPORT	1,155,463	1,155,463	.....
60	AIRCRAFT DEPOT MAINTENANCE	1,857,021	1,857,021	.....
70	AIRCRAFT DEPOT OPERATIONS SUPPORT	66,822	66,822	.....
80	AVIATION LOGISTICS	1,871,670	1,871,670	.....
	SHIP OPERATIONS			
90	MISSION AND OTHER SHIP OPERATIONS	7,015,796	6,955,796	−60,000
100	SHIP OPERATIONS SUPPORT AND TRAINING	1,301,108	1,301,108	.....
110	SHIP DEPOT MAINTENANCE	11,164,249	11,164,249	.....
120	SHIP DEPOT OPERATIONS SUPPORT	2,728,712	2,688,712	−40,000
	COMBAT OPERATIONS/SUPPORT			
130	COMBAT COMMUNICATIONS	1,776,881	1,776,881	.....
140	SPACE SYSTEMS AND SURVEILLANCE	389,915	389,915	.....
150	WARFARE TACTICS	1,005,998	999,298	−6,700
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	455,330	455,330	.....
170	COMBAT SUPPORT FORCES	2,350,089	2,212,089	−138,000
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	189,044	189,044	.....
190	CYBER MISSION FORCES	.....	.....	.....
200	COMBATANT COMMANDERS CORE OPERATIONS	92,504	92,504	.....
210	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	352,980	365,078	+12,098
230	CYBERSPACE ACTIVITIES	522,180	522,180	.....
	WEAPONS SUPPORT			
240	FLEET BALLISTIC MISSILE	1,763,238	1,763,238	.....
250	WEAPONS MAINTENANCE	1,640,642	1,608,642	−32,000
260	OTHER WEAPON SYSTEMS SUPPORT	696,653	696,653	.....
	BASE SUPPORT			
270	ENTERPRISE INFORMATION	1,780,645	1,780,645	.....
280	SUSTAINMENT, RESTORATION AND MODERNIZATION	4,406,192	4,966,192	+560,000
290	BASE OPERATING SUPPORT	6,223,827	6,152,578	−71,249
	TOTAL, BUDGET ACTIVITY 1	61,750,329	61,974,478	+224,149
	BUDGET ACTIVITY 2: MOBILIZATION			
300	SHIP PREPOSITIONING AND SURGE	475,255	475,255	.....
310	READY RESERVE FORCE	701,060	701,060	.....
	ACTIVATIONS/INACTIVATIONS			
320	SHIP ACTIVATIONS/INACTIVATIONS	302,930	302,930	.....
	MOBILIZATION PREPARATION			
330	EXPEDITIONARY HEALTH SERVICES SYSTEMS	151,966	151,966	.....
340	COAST GUARD SUPPORT	21,464	21,464	.....
	TOTAL, BUDGET ACTIVITY 2	1,652,675	1,652,675	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
350	OFFICER ACQUISITION	201,555	201,555	.....
360	RECRUIT TRAINING	16,521	16,521	.....
370	RESERVE OFFICERS TRAINING CORPS	175,171	175,171	.....
	BASIC SKILLS AND ADVANCED TRAINING			
380	SPECIALIZED SKILL TRAINING	1,238,894	1,188,894	−50,000
390	PROFESSIONAL DEVELOPMENT EDUCATION	335,603	322,898	−12,705
400	TRAINING SUPPORT	390,931	390,931	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			
410	RECRUITING AND ADVERTISING	269,483	269,483	.....
420	OFF-DUTY AND VOLUNTARY EDUCATION	90,452	90,452	.....
430	CIVILIAN EDUCATION AND TRAINING	73,406	73,406	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
440	JUNIOR ROTC	58,970	60,970	+2,000
	TOTAL, BUDGET ACTIVITY 3	2,850,986	2,790,281	−60,705
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
450	ADMINISTRATION	1,350,449	1,330,449	−20,000
460	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	242,760	242,760	
470	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	745,666	732,666	−13,000
490	MEDICAL ACTIVITIES	323,978	323,978	
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT			
500	DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT	67,357	97,357	+30,000
510	SERVICEWIDE TRANSPORTATION	248,822	248,822	
530	PLANNING, ENGINEERING, AND PROGRAM SUPPORT	616,816	616,816	
540	ACQUISITION, LOGISTICS, AND OVERSIGHT	850,906	850,906	
	INVESTIGATIONS AND SECURITY PROGRAMS			
550	INVESTIGATIVE AND SECURITY SERVICES	888,508	888,508	
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	655,281	654,554	−727
	TOTAL, BUDGET ACTIVITY 4	5,990,543	5,986,816	−3,727
	Public Law 115-68 IMPLEMENTATION		300	+300
	PROJECTED UNDEREXECUTION		−180,000	−180,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY	72,244,533	72,224,550	−19,983

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1B1B	Mission and Other Ship Operations	7,015,796	6,955,796	−60,000
	Program decrease unaccounted for			−60,000
1B5B	Ship Depot Operations Support	2,728,712	2,688,712	−40,000
	Program decrease unaccounted for			−40,000
1C4C	Warfare Tactics	1,005,998	999,298	−6,700
	Unjustified growth			−6,700
1C6C	Combat Support Forces	2,350,089	2,212,089	−138,000
	Unjustified growth			−130,000
	Program decrease unaccounted for			−8,000
1CCM	Combatant Commanders Direct Mission Support	352,980	365,078	+12,098
	Program increase: INDOPACOM AI integration activities			+10,848
	Program increase: Public Law 115–68			+1,250
1D4D	Weapons Maintenance	1,640,642	1,608,642	−32,000
	Program decrease unaccounted for			−32,000
BSM1	Sustainment, Restoration and Modernization	4,406,192	4,966,192	+560,000
	Early to need: Non-tactical vehicle infrastructure			−92,000
	Program increase			+492,000
	Program increase: Naval shipyard infrastructure and seismic repairs			+110,000
	Program increase: Shipyard infrastructure optimization program			+50,000
BSS1	Base Operating Support	6,223,827	6,152,578	−71,249

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Unjustified growth			−97,249
	Program decrease unaccounted for			−42,000
	Program increase: Sec. 2205 of Public Law 117–263			+18,000
	Program increase: Aqueous film forming foam replacement effort			+50,000
3B1K	Specialized Skill Training	1,238,894	1,188,894	−50,000
	Unjustified growth			−50,000
3B3K	Professional Development Education	335,603	322,898	−12,705
	Unjustified growth			−12,705
3C5L	Junior ROTC	58,970	60,970	+2,000
	Program increase: JROTC STEM training and education			+2,000
4A1M	Administration	1,350,449	1,330,449	−20,000
	Program decrease unaccounted for			−20,000
4A4M	Military Manpower and Personnel Management	745,666	732,666	−13,000
	Unjustified growth			−13,000
4B1A	Defense Acquisition Workforce Development Account	67,357	97,357	+30,000
	Program increase: Acquisition workforce training			+30,000
999	Classified Programs	655,281	654,554	−727
	Classified adjustment			−727
UNDIST	Projected underexecution		−180,000	−180,000
UNDIST	Public Law 115–68 Implementation		300	+300

Naval Shipyard Apprentice Program.—The Committee directs that during fiscal year 2024 the Navy shall induct classes of no fewer than 100 apprentices, respectively, at each of the naval shipyards. The Committee further directs the Navy to include the costs of the fiscal year 2025 class of apprentices in its budget request.

U.S. Coast Guard.—The Committee is aware that Department of Defense [DoD] regulations currently restrict DoD mission appropriated funded activities from offering reimbursable rates to non-DoD agencies. This restriction forces the Navy to charge the U.S. Coast Guard fully burdened rates for drydocking services at Navy shipyards rather than reimbursable rates. Therefore, the Committee directs that funds appropriated under Operation and Maintenance, Navy, may be used to pay overhead costs incurred by a Naval Shipyard when drydocking U.S. Coast Guard ships.

Fallon Range Training Complex.—The Committee directs the Secretary of the Navy to provide a written report to the Committees on Appropriations of the House of Representatives and the Senate not later than 60 days after the enactment of this act providing the remaining unfunded requirements, with cost estimates, broken down by appropriation and fiscal year, for all items within Title XXIX of the National Defense Authorization Act for Fiscal Year 2023 (Public Law 117–263).

Commercially Available Intelligence, Surveillance, and Reconnaissance Data.—The Committee notes the recent apparent success by the U.S. Naval Forces Central Command, Task Force 59, and the Office of Naval Research, which have demonstrated that commercially available long-endurance unmanned surface vehicles [USV] could potentially have a high value role in the Navy's future Intelligence, Surveillance, and Reconnaissance [ISR] architecture. The Committee encourages broader use of commercially available ISR data obtained from long endurance USVs.

Commercial Off-The-Shelf Supply Chain Risk Management Tools.—The Committee notes the Navy's response to the growing

need for supply chain awareness throughout its information technology systems, networks, and weapon systems and encourages the Secretary of the Navy to utilize commercial off-the-shelf supply chain risk management tools to address issues such as understanding supply chains with precision, identifying cyber vulnerabilities, and providing continuous critical information for organizations to make effective responses when specific threats are identified.

Advanced Foam Engine Performance and Restoration Program.—The Committee understands that advanced nucleated foam engine restoration technology continues to demonstrate significant benefits over legacy water and detergent engine wash protocols, improving the long-term readiness, efficiency, and sustainability of critical military aircraft engines, while reducing fuel consumption and emissions. The Committee encourages broader use of nucleated foam engine wash testing across naval aviation platforms.

Navy Sustainment, Restoration and Modernization Funding.—The Committee recommends a robust funding level in fiscal year 2024 for facilities sustainment, restoration and modernization. The Secretary of the Navy is encouraged to use a portion of these funds to bring outdoor firing ranges into compliance with standards for public safety and environmental protection.

Reporting Requirement for Conventionally Powered Surface Combatant Maintenance Backlog.—Not later than 180 days after the enactment of this act, the Secretary of the Navy shall submit a report to the congressional defense committees detailing the Navy's conventionally powered surface combatant maintenance backlogs. The report shall include: (1) a list of all vessels currently in or awaiting depot level maintenance as of the fourth quarter of fiscal year 2023; (2) the average length of time conventionally powered surface combatant ships are in depot level maintenance; (3) any difference between planned and actual maintenance availabilities; and (4) how maintenance backlogs have changed over the previous 10 years. The report shall also provide an analysis of factors that contribute to maintenance backlogs, including but not limited to, shipyard capacity, a shortage of skilled personnel, or operational considerations. Finally, the report shall include a strategy for addressing the backlog, complete with forecasted benchmarks for resolving it, and any new necessary legislative proposals.

Camp Lejeune Justice Act Claims.—The Committee is concerned with delays in the processing of administrative claims filed pursuant to the Camp Lejeune Justice Act (Section 804, Public Law 117–168). The Committee urges the Secretary of the Navy to prioritize the adjudication of claims filed during fiscal year 2024, and to appropriately budget for all personnel and information technology requirements necessary to adjudicate expected claims in the fiscal year 2025 President's budget request. Additionally, the Secretary of the Navy shall provide a briefing to the Committees on Appropriations of the House of Representatives and the Senate on specific personnel and information technology requirements necessary to expedite the processing of claims not later than 90 days after enactment of this act.

OPERATION AND MAINTENANCE, MARINE CORPS

Budget estimate, 2024 ..... $10,281,913,000
Committee recommendation 10,299,917,000

The Committee recommends an appropriation of $10,299,917,000. This is $18,004,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATIONAL FORCES	1,799,964	1,785,964	−14,000
20	FIELD LOGISTICS	1,878,228	1,853,228	−25,000
30	DEPOT MAINTENANCE	211,460	211,460	
	USMC PREPOSITIONING			
40	MARITIME PREPOSITIONING	137,831	137,831	
	COMBAT OPERATIONS/SUPPORT			
50	CYBER MISSION FORCES			
60	CYBERSPACE ACTIVITIES	205,449	205,449	
	BASE SUPPORT			
70	SUSTAINMENT, RESTORATION & MODERNIZATION	1,211,183	1,311,183	+100,000
80	BASE OPERATING SUPPORT	3,124,551	3,094,551	−30,000
	TOTAL, BUDGET ACTIVITY 1	8,568,666	8,599,666	+31,000
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
90	RECRUIT TRAINING	26,284	26,284	
100	OFFICER ACQUISITION	1,316	1,316	
	BASIC SKILLS AND ADVANCED TRAINING			
110	SPECIALIZED SKILLS TRAINING	133,176	133,176	
120	PROFESSIONAL DEVELOPMENT EDUCATION	66,213	66,213	
130	TRAINING SUPPORT	570,152	570,152	
	RECRUITING AND OTHER TRAINING EDUCATION			
140	RECRUITING AND ADVERTISING	246,586	301,586	+55,000
150	OFF-DUTY AND VOLUNTARY EDUCATION	55,230	55,230	
160	JUNIOR ROTC	29,616	31,616	+2,000
	TOTAL, BUDGET ACTIVITY 3	1,128,573	1,185,573	+57,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
180	SERVICEWIDE TRANSPORTATION	90,366	90,366	
190	ADMINISTRATION	428,650	428,650	
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	65,658	65,312	−346
	TOTAL, BUDGET ACTIVITY 4	584,674	584,328	−346
	PROGRAM INCREASE—Public Law 115-68 IMPLEMENTATION		350	+350

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	PROJECTED UNDEREXECUTION		−70,000	−70,000
	TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	10,281,913	10,299,917	+18,004

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1A1A	Operational Forces	1,799,964	1,785,964	−14,000
	Unjustified growth			−14,000
1A2A	Field Logistics	1,878,228	1,853,228	−25,000
	Program decrease unaccounted for			−25,000
BSM1	Sustainment, Restoration & Modernization	1,211,183	1,311,183	+100,000
	Early to need: Non-tactical vehicle infrastructure			−20,000
	Program increase			+120,000
BSS1	Base Operating Support	3,124,551	3,094,551	−30,000
	Unjustified growth			−50,000
	Program increase: Aqueous film forming foam replacement effort			+20,000
3C1F	Recruiting and Advertising	246,586	301,586	+55,000
	Program increase			+55,000
3C3F	Junior ROTC	29,616	31,616	+2,000
	Program increase: JROTC STEM training and education			+2,000
9999	Classified Programs	65,658	65,312	−346
	Classified adjustment			−346
UNDIST	Projected underexecution		−70,000	−70,000
UNDIST	Public Law 115–68 Implementation		350	+350

Marine Corps Logistics in Degraded Environments.—The Committee notes that the Marine Corps uses the Global Combat Support System-Marine Corps [GCSS–MC] to conduct daily supply and maintenance operations worldwide. However, Marines operating in remote locations without reliable network connections struggle to manage logistics functions when they are unable to connect to GCSS–MC. The Committee supports ongoing work by the Marine Corps Logistics Command to develop applications to overcome this challenge and allow logisticians to synchronize repair records to the GCSS–MC, even in degraded network environments.

OPERATION AND MAINTENANCE, AIR FORCE

Budget estimate, 2024 ..... $62,750,095,000
Committee recommendation 62,449,894,000

The Committee recommends an appropriation of $62,449,894,000. This is $300,201,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	980,768	936,068	−44,700
20	COMBAT ENHANCEMENT FORCES	2,665,924	2,505,924	−160,000
30	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS)	1,630,552	1,611,552	−19,000
40	DEPOT PURCHASE EQUIPMENT MAINTENANCE	4,632,693	4,632,693	.....
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	4,252,815	4,832,113	+579,298
60	CYBERSPACE SUSTAINMENT	229,440	239,440	+10,000
70	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	9,537,192	9,537,192	.....
80	FLYING HOUR PROGRAM	6,697,549	6,567,549	−130,000
90	BASE SUPPORT	11,633,510	11,449,548	−183,962
	COMBAT RELATED OPERATIONS			
100	GLOBAL C3I AND EARLY WARNING	1,350,827	1,333,827	−17,000
110	OTHER COMBAT OPS SPT PROGRAMS	1,817,941	1,817,941	.....
120	CYBERSPACE ACTIVITIES	807,966	807,966	.....
130	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	267,615	267,615	.....
	SPACE OPERATIONS			
140	LAUNCH FACILITIES	.....	.....	.....
	COCOM			
160	US NORTHCOM/NORAD	245,263	253,328	+8,065
170	US STRATCOM	541,720	541,970	+250
180				
	US CYBERCOM			
190	US CENTCOM	335,220	335,695	+475
200	US SOCOM	27,511	28,461	+950
210	US TRANSCOM	607	957	+350
220	CENTCOM CYBERSPACE SUSTAINMENT	1,415	1,415	.....
230	USSPACECOM	373,989	378,539	+4,550
	MOBILITY OPERATIONS			
240	MEDICAL READINESS	564,880	541,690	−23,190
	CYBERSPACE ACTIVITIES			
250	JOINT CYBER MISSION FORCE PROGRAMS	.....	.....	.....
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	1,465,926	1,465,926	.....
	TOTAL, BUDGET ACTIVITY 1	50,061,323	50,087,409	+26,086
	BUDGET ACTIVITY 2: MOBILIZATION			
	MOBILITY OPERATIONS			
260	AIRLIFT OPERATIONS	3,012,287	3,012,287	.....
270	MOBILIZATION PREPAREDNESS	241,918	241,918	.....
	TOTAL, BUDGET ACTIVITY 2	3,254,205	3,254,205	.....
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	ACCESSION TRAINING			
280	OFFICER ACQUISITION	202,769	202,769	.....
290	RECRUIT TRAINING	28,892	28,892	.....
300	RESERVE OFFICER TRAINING CORPS [ROTC]	137,647	142,647	+5,000
	BASIC SKILLS AND ADVANCED TRAINING			
310	SPECIALIZED SKILL TRAINING	588,131	588,131	.....
320	FLIGHT TRAINING	875,230	875,230	.....
330	PROFESSIONAL DEVELOPMENT EDUCATION	301,262	301,262	.....
340	TRAINING SUPPORT	194,609	194,609	.....
	RECRUITING, AND OTHER TRAINING AND EDUCATION			

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
350	RECRUITING AND ADVERTISING	204,318	204,318	.....
360	EXAMINING	7,775	7,775	.....
370	OFF DUTY AND VOLUNTARY EDUCATION	263,421	263,421	.....
380	CIVILIAN EDUCATION AND TRAINING	343,039	343,039	.....
390	JUNIOR ROTC	75,666	77,666	+2,000
	TOTAL, BUDGET ACTIVITY 3	3,222,759	3,229,759	+7,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
400	LOGISTICS OPERATIONS	1,062,199	1,062,199	.....
410	TECHNICAL SUPPORT ACTIVITIES	162,919	162,919	.....
	ADMIN SERVICEWIDE ACTIVITIES			
420	ADMINISTRATION	1,409,015	1,309,015	−100,000
430	SERVICEWIDE COMMUNICATIONS	30,268	30,268	.....
440	OTHER SERVICEWIDE ACTIVITIES	1,851,856	1,851,856	.....
450	CIVIL AIR PATROL	30,901	55,100	+24,199
460	ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT	42,759	72,759	+30,000
	SUPPORT TO OTHER NATIONS			
480	INTERNATIONAL SUPPORT	115,267	115,267	.....
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	1,506,624	1,518,338	+11,714
	TOTAL, BUDGET ACTIVITY 4	6,211,808	6,177,721	−34,087
	Public Law 115-68 IMPLEMENTATION	.....	800	+800
	PROJECTED UNDEREXECUTION	.....	−300,000	−300,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	62,750,095	62,449,894	−300,201

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	980,768	936,068	−44,700
	Program decrease unaccounted for	.....	.....	−30,000
	Air Force-requested transfer: From OMAF line 011A to OMAF line 011Z for AFCENT requirements	.....	.....	−14,700
011C	Combat Enhancement Forces	2,665,924	2,505,924	−160,000
	Program decrease unaccounted for	.....	.....	−160,000
011D	Air Operations Training (OJT, Maintain Skills)	1,630,552	1,611,552	−19,000
	Unjustified growth	.....	.....	−19,000
011R	Facilities Sustainment, Restoration & Modernization	4,252,815	4,832,113	+579,298
	Program increase	.....	.....	+485,000
	Program increase: Aqueous film forming foam removal and disposal for firefighting vehicles and facilities	.....	.....	+30,000
	Program increase: FSRM planning and design	.....	.....	+27,900
	Program increase: Munition storage improvements	.....	.....	+3,000
	Program increase: NORAD Long-range radar stations infrastructure	.....	.....	+45,000
	Program increase: NORAD Long-range radar stations long term repair and modernization	.....	.....	+5,000
	Program increase: Renovation and repair of child development centers	.....	.....	+20,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Air Force-requested transfer: From RDAF line R–87 to OMAF line 011R due to programming error for LRSO facility costs			+20,000
	Air Force-requested transfer: From OMAF line 011R to OPAF line P–4 for vehicles programming error			−1,974
	Air Force-requested transfer: From OMAF line 011R to OPAF line P–7 for vehicles programming error			−3,440
	Air Force-requested transfer: From OMAF line 011R to OPAF line P–9 for vehicles programming error			−1,805
	Air Force-requested transfer: From OMAF line 011R to OPAF line P–11 for vehicles programming error			−18,233
	Air Force-requested transfer: From OMAF line 011R to OPAF line P–60 for vehicles programming error			−5,950
	Air Force-requested transfer: From OMAF line 011R to OPAF line P–61 for vehicles programming error			−25,200
011V	Cyberspace Sustainment	229,440	239,440	+10,000
	Program increase: Cyber Operations for Base Resilient Architecture			+10,000
011Y	Flying Hour Program	6,697,549	6,567,549	−130,000
	Unjustified growth			−130,000
011Z	Base Support	11,633,510	11,449,548	−183,962
	Unjustified growth			−130,000
	Early to need: Non-tactical vehicle leases and infrastructure			−85,000
	Program decrease unaccounted for			−30,000
	Program increase: Facility operations drinking water and replacement foam			+11,000
	Program increase: European Communications Infrastructure (ECI)			+32,838
	Program increase: Long-range radar site backup generator			+2,500
	Air Force-requested transfer: From OMAF line 011A to OMAF line 011Z for AFCENT requirements			+14,700
012A	Global C3I and Early Warning	1,350,827	1,333,827	−17,000
	Unjustified growth			−20,000
	Program increase: Commercial GNSS–RO data for world-wide DOD operations			+3,000
015C	US NORTHCOM/NORAD	245,263	253,328	+8,065
	Program increase: Arctic forward operating location			+2,000
	Program increase: Public Law 115–68			+1,065
	Program increase: Quality of life equipment for Alaskan Command			+5,000
015D	US STRATCOM	541,720	541,970	+250
	Program increase: Public Law 115–68			+250
015F	US CENTCOM	335,220	335,695	+475
	Program increase: Public Law 115–68			+475
015G	US SOCOM	27,511	28,461	+950
	Program increase: Public Law 115–68			+950
015H	US TRANSCOM	607	957	+350
	Program increase: Public Law 115–68			+350
015X	USSPACECOM	373,989	378,539	+4,550
	Program increase: USSPACECOM academic engagement enterprise			+4,000
	Program increase: Public Law 115–68			+550
012Q	Medical Readiness	564,880	541,690	−23,190
	Air Force-requested transfer: From OMAF line 012Q to OPAF line P–60 for Radiological Detection Systems and Radioisotope Identification Devices programming error			−2,284
	Unjustified growth			−20,906
031D	Reserve Officers Training Corps [ROTC]	137,647	142,647	+5,000
	Program increase: Section 519 of Public Law 116–283			+5,000
033E	Junior ROTC	75,666	77,666	+2,000
	Program increase: JROTC STEM training and education			+2,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
042A	Administration	1,409,015	1,309,015	−100,000
	Program decrease unaccounted for			−100,000
042I	Civil Air Patrol	30,901	55,100	+24,199
	Program increase			+24,199
042W	Defense Acquisition Workforce Development Account	42,759	72,759	+30,000
	Program increase: Acquisition workforce training			+30,000
999	Classified Programs	1,506,624	1,518,338	+11,714
	Classified adjustment			+11,714
UNDIST	Projected underexecution		−300,000	−300,000
UNDIST	Public Law 115–68 Implementation		800	+800

Feasibility of Co-Locating MQ–9 Elements.—The Committee understands that with the advent of auto takeoff and land capability in the MQ–9, maintaining line of sight is no longer a basing requirement for remotely piloted aircraft launch and recovery elements. The Committee encourages the Secretary of the Air Force to consider the extent to which geographically separated units can be restructured to a single location in order to provide operational efficiencies and eliminate adverse impacts to servicemembers currently required to report to multiple duty stations.

Bilateral Intelligence Analysis Cell at Yokota Airbase Japan.—The Committee recognizes the recent investments to bolster bilateral information sharing operations in the Indo-Pacific and encourages the Secretary of the Air Force to prioritize resources and personnel in order to support the Bilateral Intelligence Analysis Cell at Yokota Airbase Japan.

OPERATION AND MAINTENANCE, SPACE FORCE

Budget estimate, 2024 ..... $5,017,468,000
Committee recommendation 4,958,408,000

The Committee recommends an appropriation of $4,958,408,000. This is $59,060,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, SPACE FORCE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	GLOBAL C3I & EARLY WARNING	642,201	617,201	−25,000
20	SPACE LAUNCH OPERATIONS	356,162	356,162	
30	SPACE OPERATIONS	866,547	854,790	−11,757
40	EDUCATION & TRAINING	199,181	221,610	+22,429
50	SPECIAL PROGRAMS	383,233	383,233	
60	DEPOT MAINTENANCE	67,757	67,757	
70	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	678,648	713,648	+35,000
80	CONTRACTOR LOGISTICS & SYSTEM SUPPORT	1,380,350	1,355,350	−25,000
90	SPACE OPERATIONS -BOS	188,760	188,760	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	71,475	59,915	−11,560
	TOTAL, BUDGET ACTIVITY 1	4,834,314	4,818,426	−15,888
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	AIR OPERATIONS			
100	LOGISTICS OPERATIONS	34,046	34,046	
110	ADMINISTRATION	149,108	130,936	−18,172
	TOTAL, BUDGET ACTIVITY 4	183,154	164,982	−18,172
	PROJECTED UNDEREXECUTION		−25,000	−25,000
	TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE	5,017,468	4,958,408	−59,060

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
012A	Global C3I & Early Warning	642,201	617,201	−25,000
	Unjustified growth			−25,000
013C	Space Operations	866,547	854,790	−11,757
	Program decrease unaccounted for			−2,500
	Space Force-requested transfer: From line 013C to line 013E for Space Training and Readiness Command Talent Management Office			−9,257
013E	Education & Training	199,181	221,610	+22,429
	Program decrease unaccounted for			−5,000
	Space Force-requested transfer: From line 042A to line 013E for recruiting and advertising programming correction			+18,172
	Space Force-requested transfer: From line 013C to line 013E for Space Training and Readiness Command Talent Management Office			+9,257
013R	Facilities Sustainment, Restoration and Modernization	678,648	713,648	+35,000
	Program increase			+35,000
013W	Contractor Logistics & System Support	1,380,350	1,355,350	−25,000
	Unjustified growth			−25,000
999	Classified Programs	71,475	59,915	−11,560
	Classified adjustment			−11,560
042A	Administration	149,108	130,936	−18,172
	Space Force-requested transfer: From line 042A to line 013E for recruiting and advertising programming correction			−18,172
UNDIST	Projected underexecution		−25,000	−25,000

OPERATION AND MAINTENANCE, DEFENSE-WIDE

Budget estimate, 2024 ..... $52,768,263,000
Committee recommendation 52,508,990,000

The Committee recommends an appropriation of $52,508,990,000. This is $259,273,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, DEFENSE-WIDE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
10	JOINT CHIEFS OF STAFF	461,370	431,370	−30,000
20	JOINT CHIEFS OF STAFF—JTEEP	701,081	698,081	−3,000
30	JOINT CHIEFS OF STAFF—CYBER	8,210	8,210	
40	OFFICE OF THE SECRETARY OF DEFENSE—MISO	252,480	252,480	
60	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	2,012,953	2,017,982	+5,029
70	SPECIAL OPERATIONS COMMAND MAINTENANCE	1,210,930	1,178,917	−32,013
80	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	202,574	199,968	−2,606
90	SPECIAL OPERATIONS COMMAND THEATER FORCES	3,346,004	3,351,943	+5,939
100	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES	49,757	49,757	
110	SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,391,402	1,385,402	−6,000
120	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	1,438,967	1,438,967	
130	CYBERSPACE OPERATIONS	1,318,614	1,184,807	−133,807
140	USCYBERCOM HEADQUARTERS	332,690	288,518	−44,172
	TOTAL, BUDGET ACTIVITY 1	12,727,032	12,486,402	−240,630
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING			
	DEFENSEWIDE ACTIVITIES			
150	DEFENSE ACQUISITION UNIVERSITY	183,342	213,342	+30,000
	RECRUITING, OTHER TRAINING & EDUCATION			
160	JOINT CHIEFS OF STAFF	118,172	118,172	
	DEFENSEWIDE ACTIVITIES			
170	SPECIAL OPERATIONS COMMAND PROFESSIONAL DEVELOPMENT EDUCATION	33,855	33,855	
	TOTAL, BUDGET ACTIVITY 3	335,369	365,369	+30,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
180	CIVIL MILITARY PROGRAMS	142,240	227,240	+85,000
190	DEFENSE CONTRACT AUDIT AGENCY—CYBER	4,870	4,870	
200	DEFENSE CONTRACT AUDIT AGENCY	667,943	667,943	
210	DEFENSE CONTRACT MANAGEMENT AGENCY	1,567,119	1,587,119	+20,000
220	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER	30,279	30,279	
230	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY	1,062,123	1,004,123	−58,000
250	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY—CYBER	9,835	9,835	
260	DEFENSE HUMAN RESOURCES ACTIVITY—CYBER	27,517	27,517	
270	DEFENSE HUMAN RESOURCES ACTIVITY	1,033,789	1,120,789	+87,000
300	DEFENSE INFORMATION SYSTEMS AGENCY	2,567,698	2,497,698	−70,000
310	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER	526,893	502,893	−24,000
320	DEFENSE LEGAL SERVICES AGENCY	241,779	231,779	−10,000
330	DEFENSE LOGISTICS AGENCY	446,731	461,731	+15,000
340	DEFENSE MEDIA ACTIVITY	246,840	243,840	−3,000
360	DEFENSE PERSONNEL ACCOUNTING AGENCY	195,959	195,959	
370	DEFENSE SECURITY COOPERATION AGENCY	2,379,100	2,241,600	−137,500
380	DEFENSE TECHNOLOGY SECURITY AGENCY	41,722	71,722	+30,000
390	DEFENSE THREAT REDUCTION AGENCY	984,272	973,272	−11,000
410	DEFENSE THREAT REDUCTION AGENCY—CYBER	70,548	70,548	
420	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	3,451,625	3,506,625	+55,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
430	MISSILE DEFENSE AGENCY	564,078	564,078	
440	OFFICE OF THE LOCAL DEFENSE COMMUNITY COOPERATION—OSD	118,216	168,216	+50,000
480	OFFICE OF THE SECRETARY OF DEFENSE—CYBER	92,176	97,176	+5,000
490	OFFICE OF THE SECRETARY OF DEFENSE	2,676,416	2,661,101	−15,315
530	WASHINGTON HEADQUARTERS SERVICES	440,947	440,947	
	OTHER PROGRAMS			
999	CLASSIFIED PROGRAMS	20,115,147	20,021,019	−94,128
	TOTAL, BUDGET ACTIVITY 4	39,705,862	39,629,919	−75,943
	PROGRAM INCREASE: VIETNAM DIOXIN REMEDIATION		15,000	+15,000
	PROGRAM INCREASE: IMPLEMENTATION OF THE SUICIDE PREVENTION AND RESPONSE INDEPENDENT REVIEW COMMITTEE'S FINAL REPORT RECOMMENDATIONS		10,000	+10,000
	Public Law 115-68 IMPLEMENTATION		2,300	+2,300
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	52,768,263	52,508,990	−259,273

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1PL1	Joint Chiefs of Staff	461,370	431,370	−30,000
	Unjustified growth			−23,000
	Program decrease unaccounted for			−7,000
8PL1	Joint Chiefs of Staff-JTEEP	701,081	698,081	−3,000
	Program decrease unaccounted for			−3,000
1PL6	Special Operations Command Combat Development Activities	2,012,953	2,017,982	+5,029
	Projected underexecution			−1,971
	Program increase: Female body armor			+7,000
1PL7	Special Operations Command Maintenance	1,210,930	1,178,917	−32,013
	Overestimation of MQ–9 operations			−4,716
	AbMN CLS delay			−8,660
	Armed Overwatch early to need			−7,000
	Overestimation of CCA			−7,450
	MPE ahead of need			−4,187
1PLM	Special Operations Command Management/Operational Headquarters	202,574	199,968	−2,606
	Projected underexecution			−2,606
1PLR	Special Operations Command Theater Forces	3,346,004	3,351,943	+5,939
	Projected underexecution			−4,561
	Program increase: Subterranean training facility			+10,500
1PLU	Special Operations Command Intelligence	1,391,402	1,385,402	−6,000
	Overestimation of LEA orbits			−6,000
12D	Cyberspace Operations	1,318,614	1,184,807	−133,807
	Excess to need: Enhanced sensing and mitigation			−26,000
	Unjustified growth: CRRP			−9,000
	Unjustified growth: Training			−36,445
	Unjustified growth: Travel			−10,000
	Unjustified growth: Unified Platform Infrastructure			−884
	Unjustified growth: Deployable Mission Support Systems			−4,254
	Unjustified growth: CMF Teams CPT contractor support			−9,990

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program decrease unaccounted for			−6,400
	Projected underexecution			−32,834
	Program increase: Internet operations management			+2,000
15E	CYBERCOM Headquarters	332,690	288,518	−44,172
	Projected underexecution			−44,572
	Program increase: Public Law 115–68			+400
3EV2	Defense Acquisition University	183,342	213,342	+30,000
	Program increase: Acquisition workforce training			+30,000
4GT3	Civil Military Programs	142,240	227,240	+85,000
	Program increase: Innovative Readiness Training			+15,000
	Program increase: National Guard Youth Challenge			+50,000
	Program increase: STARBASE			+20,000
4GT0	Defense Contract Management Agency	1,567,119	1,587,119	+20,000
	Program decrease unaccounted for			−10,000
	Program increase: Defense contract management			+30,000
4GTE	Defense Counterintelligence and Security Agency	1,062,123	1,004,123	−58,000
	Unjustified growth			−35,000
	Projected underexecution			−23,000
4GT8	Defense Human Resources Activity	1,033,789	1,120,789	+87,000
	Program increase: Beyond Yellow Ribbon			+25,000
	Program increase: Defense language training centers			+15,000
	Program increase: Special Victims' Counsel			+47,000
4GT9	Defense Information Systems Agency	2,567,698	2,497,698	−70,000
	Program decrease unaccounted for			−56,000
	Projected underexecution			−21,000
	Program increase: Army-led interagency critical infrastructure protection training			+2,000
	Program increase: Movement or consolidation of Joint Spectrum Center			+5,000
4GU9	Defense Information Systems Agency-Cyber	526,893	502,893	−24,000
	Program decrease unaccounted for			−18,000
	Projected underexecution			−6,000
4GTA	Defense Legal Services Agency	241,779	231,779	−10,000
	Projected underexecution			−10,000
4GTB	Defense Logistics Agency	446,731	461,731	+15,000
	Program increase: Aqueous film forming foam destruction pilot			+15,000
ES18	Defense Media Activity	246,840	243,840	−3,000
	Unjustified growth			−3,000
4GTD	Defense Security Cooperation Agency	2,379,100	2,241,600	−137,500
	Unjustified request: Coalition support funds			−10,000
	Unjustified growth: Border security			−150,000
	Unjustified growth: Assessment, Monitoring, and Evaluation			−5,000
	Program increase: Public Law 115–68			+3,000
	Program increase: Baltic Security Initiative			+20,000
	Program increase: Regional Centers			+4,500
4GTH	Defense Technology Security Administration	41,722	71,722	+30,000
	Program increase			+30,000
4GTI	Defense Threat Reduction Agency	984,272	973,272	−11,000
	Unjustified growth			−11,000
4GTJ	Department of Defense Education Activity	3,451,625	3,506,625	+55,000
	Projected underexecution			−25,000
	Program increase: Impact Aid			+50,000
	Program increase: Impact Aid for children with disabilities			+20,000
	Program increase: World language grants			+10,000
4GTM	Office of Local Defense Community Cooperation	118,216	168,216	+50,000
	Program increase: Defense Community Infrastructure Program			+50,000
4GTC	Office of the Secretary of Defense-Cyber	92,176	97,176	+5,000
	Program increase: Cyber scholarship program			+5,000
4GTN	Office of the Secretary of Defense	2,676,416	2,661,101	−15,315
	Projected underexecution			−60,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Unjustified growth			−31,443
	Program increase: CDC water contamination study and assessment			+5,000
	Program increase: Congressionally mandated commissions			+15,000
	Program increase: Procurement Technical Assistance Program			+29,893
	Program increase: Readiness and Environmental Protection Integration Program			+20,235
	Program increase: USTTI Defense training			+1,000
	Program increase: Implementation of findings and recommendations of security programs, policies and procedures			+5,000
9999	Classified Programs	20,115,147	20,021,019	−94,128
	Classified adjustment			−94,128
UNDIST	Program increase: Vietnam dioxin remediation		15,000	+15,000
UNDIST	Program increase: Implementation of the Suicide Prevention and Response Independent Review Committee's final report recommendations		10,000	+10,000
UNDIST	Public Law 115–68 Implementation		2,300	+2,300

Defense Language and National Security Education Office.—The Committee recognizes that, in partnership with universities across the country, the Defense Language and National Security Education Office provides critical college accredited training for servicemembers and government officials in a number of languages and strategic cultures. The Committee encourages the Department of Defense, and Special Operations Command in particular, to continue placing a high priority on the Language Training Centers and the Language Flagship program, with an emphasis on quality of instruction and a preference for programs that provide college credit. The Committee designates the funding provided for the Language Training Centers as a congressional special interest item for the purpose of the Base for Reprogramming (DD Form 1414). The Committee further directs that the funding profiles for the Language Training Centers and the Language Flagship Program in total for the prior year, current year, and budget year be included in the Performance Criteria section of the Defense Human Resources Activity OP–5 budget exhibit in future submissions.

Department of Defense SkillBridge Program.—The Committee understands that the Department of Defense SkillBridge program is an opportunity for service members to gain valuable civilian work experience through specific industry training, apprenticeships, or internships during the last 180 days of service. SkillBridge connects servicemembers with industry partners in real-world job experiences. The Committee encourages the Secretary of Defense to expand access to enhanced workforce development and economic opportunity services through programs such as Skillbridge.

Department of Defense Battery Recycling.—The Committee encourages the Director of the Defense Logistics Agency [DLA] to explore opportunities for partnerships with local retailers to improve battery recycling outcomes, including the potential for mutually beneficial agreements in local communities to improve the logistics capabilities for DLA battery disposal. The Committee further en-

courages the disposition of spent Department of Defense advanced batteries through reusable dissolution recycling methods.

Use of Publicly Available Information by Defense Counterintelligence and Security Agency.—The Committee believes that the use of publicly available electronic information can provide value to the Department of Defense in screening against a wide range of risks considered by the Defense Counterintelligence and Security Agency. Therefore, the Committee directs the Secretary of Defense to provide a report, not later than 120 days after the enactment of this act, which details the following: (1) the extent to which the Department utilizes publicly available electronic information to screen against risks to national security in areas such as foreign ownership, control and influence, background investigations and continuous evaluation, detecting insider threats, and supply chain vulnerabilities; (2) current and planned Department regulations or guidance enabling or directing the use of publicly available electronic information to screen against such risks to national security; and (3) an explanation of how the Department protects the privacy of individuals in its utilization of publicly available information in its screening activities.

Special Operations Cyber Capabilities.—The Committee supports the development and sustainment of Special Operations Forces [SOF] cyber capabilities. SOF personnel employ unique-cyber effects in operational and tactical environments that enable, enhance, or protect SOF personnel while executing missions. To enhance these capabilities further, the Committee encourages the Commander, Special Operations Command to increase the investment in training, equipping, and sustainment of the SOF-unique cyber capabilities and SOF personnel who employ them. In particular, the Committee supports the work being done through the Marine Special Operations Forces Technical Surveillance Cyber Course to support the full spectrum of special reconnaissance skills including advanced digital collection, surveillance detection, physical and technical surveillance, Source Operations, close target reconnaissance and tactical cyber operations.

Air Force Special Operations Command.—The Committee acknowledges the importance of Air Force Special Operations Command [AFSOC] headquartered at Hurlburt Field Air Force Base and notes the important historic and economic role AFSOC has played in the community for more than thirty years. The Committee is concerned that the Air Force is considering a potential relocation of AFSOC headquarters and units. Therefore, the Committee directs the Secretary of the Air Force to submit a report to the Committees on Appropriations of the House of Representatives and the Senate, not later than 90 days after enactment of this act, which details the impacts of such decisions. The report shall at a minimum include the following: a detailed force structure assessment of the current AFSOC laydown at Hurlburt Field by unit, including the number of personnel and platforms assigned; the annual economic impact to the local community; a strategic assessment of AFSOC's basing at Hurlburt Field; the total projected costs associated with relocating AFSOC headquarters and/or units; an assessment of the basing criteria that would inform such moves; a

comparison of Hurlburt against that criteria; and a detailed basing plan to replace any transferred force structure in the outyears.

Aqueous Film Forming Foam Destruction Pilot.—Given the limited disposal options available to the Department of Defense for Aqueous Film Forming Foam [AFFF] waste and the potential benefits of complete, operational destruction technologies, the Committee recommendation includes $15,000,000 for the Defense Logistics Agency to execute an AFFF destruction pilot in support of the Assistant Secretary of the Air Force for Energy, Installations and Environment, and the Assistant Secretary of the Army for Installations, Energy and Environment. The pilot shall utilize existing scalable destruction technologies that have been verified as effective in the field, successful at destroying a variety of AFFF formulations, and capable of destroying per- and polyfluoroalkyl substances to the lowest detectable limits without any hazardous byproducts.

Community Noise Mitigation Program.—The Committee recognizes the importance of supporting communities surrounding military installations and commends the work of the Office of Local Defense Community Cooperation [OLDCC]. Further, the Committee acknowledges the challenges faced by residential communities bordering aviation units and has appropriated funding to make grants to communities impacted by military aviation noise in the Department of Defense Appropriations Act, 2022 (Public Law 117–103). The Committee understands OLDCC has been working to establish the Community Noise Mitigation Program which requires coordination with the military services and the Federal Aviation Administration [FAA]. However, the Committee is concerned by the delays encountered coordinating with the military services and FAA which has subsequently moved the timeline for grant solicitation into the 2024 calendar year. Therefore, the Committee directs Secretary of Defense, in coordination with the Director of OLDCC, to move expeditiously to award these previously appropriated funds, including by publishing a final Notice of Funding Opportunity and requiring responses during the 2023 calendar year.

Readiness and Environmental Protection Integration Program.—The Committee recommends an additional $20,235,000 for the Readiness and Environmental Protection Integration [REPI] program. Further, the Committee designates this funding and the $179,765,000 included in the fiscal year 2024 President's budget request for the REPI program as a congressional special interest item for the purpose of the Base for Reprogramming (DD Form 1414). The Committee recognizes the success that the REPI program has achieved in addressing encroachment and in maintaining and improving military installation resilience. Further, the Committee encourages the military services to establish and resource additional staff to increase capacity to more effectively implement REPI funds and to take full advantage of the benefits of the REPI program to military readiness and military installation resilience.

Ex Gratia Payments.—The Committee recommendation includes sufficient funding for the Office of the Secretary of Defense under Operation and Maintenance, Defense-Wide, for payments made to redress injury and loss pursuant to section 1213 of the National

Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92).

Security Assistance Reporting Requirements.—The Secretary of Defense is directed to submit reports, on a quarterly basis, to the congressional defense committees not later than 30 days after the last day of each quarter of the fiscal year that detail commitment, obligation, and expenditure data by sub-activity group for Operation and Maintenance, Defense-Wide, Defense Security Cooperation Agency.

Baltic Security Initiative.—The Committee recommends $228,133,000, an increase of $20,000,000 above the fiscal year 2024 President's budget request, for the Baltic Security Initiative in strong support of ongoing security cooperation with Estonia, Latvia, and Lithuania. The Committee strongly supports the U.S.-Baltic Dialogue, and the Security Cooperation Roadmaps 2019–2024 as critical partnerships in support of the North Atlantic Treaty Organization [NATO]'s security and deterrence posture. The Committee encourages the Secretary of Defense to continue robust security cooperation with the Baltic States, especially in the areas of integrated air and missile defense; long-range precision fires; maritime domain awareness; land forces development; and command, control, communications, intelligence, surveillance, and reconnaissance. Finally, the Committee directs the Secretary of Defense to brief the Committees on Appropriations of the House of Representatives and the Senate not later than 90 days after the enactment of this act regarding the Baltic Security Initiative's multi-year strategy and spend plan in light of continued Russian aggression in Europe.

Defense Security Cooperation Agency Programs.—The Committee is concerned by the delays in the execution of International Security Cooperation Programs [ISCP] within the 2-year period of availability of appropriations. The Committee notes that the Defense Security Cooperation Agency [DSCA] has the statutory authority to build the capacity of foreign forces pursuant to 10 U.S.C. §333, §332, and§1263, and that these activities do not represent new projects or activities in the budget year. Further, the Committee notes that the annual appropriation bill requires notification, but not prior approval for its security cooperation activities. As a result, the Committee directs the Director, DSCA to efficiently execute security cooperation programs by using the entire period of availability of funding to the greatest extent possible.

The Committee supports the goal of DSCA's Significant Security Cooperation Initiative [SSCI], which eliminates arbitrary Combatant Command allocations and more closely aligns security cooperation funding with the National Defense Strategy. However, the Committee notes that it has not yet received a briefing on how the Secretary of Defense plans to focus and deepen security cooperation in order to more closely align program execution with the SSCI strategy, as required by the Joint Explanatory Statement accompanying the Consolidated Appropriations Act of 2023.

The Committee directs the Secretary of Defense, not later than 90 days after enactment of this act and annually thereafter, to provide the appropriate congressional committees with a report on the activities of the Golden Sentry End-Use Monitoring program, including a review of program processes before, during, and after

arms transfers, accounting of program costs and personnel, and data on inspections and inspection findings for defense article transfers under the program. The report should also describe all alleged incidents of misuse of U.S.-government provided equipment in the preceding calendar year as well as actions taken to investigate and mitigate against misuse incidents.

The Committee is encouraged by the Department's establishment and use of regional centers for security studies to further outreach and provide for more focused research to help promote global security cooperation efforts to include the Ted Stevens Center for Arctic Security Studies and the Daniel K. Inouye Asia-Pacific Center for Security Studies. Therefore, the Committee recommends an additional $4,500,000 for Regional Centers, and directs the Director, DSCA, within 60 days of enactment of this act to provide the congressional defense committees with a briefing on the status of the programs, objectives, milestones, execution plans and any other quantitative and qualitative data determined by the Director for each of the six current regional centers.

Finally, the Committee is concerned with the significant increases in overseas border security cooperation in the last three budget requests in the absence of clears objectives or a long-term plan. The Committee notes that it has not yet received a report on the Secretary of Defense's multi-year goals and objectives for the border security program, including funding across the Future Years Defense Program, as directed by the Joint Explanatory Statement accompanying the Consolidated Appropriations Act of 2023.

COUNTER–ISIS TRAIN AND EQUIP FUND

Budget estimate, 2024	$397,950,000
Committee recommendation	372,950,000

The Committee recommends an appropriation of $372,950,000. This is $25,000,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Iraq	241,950	226,750	−15,200
	Historical unobligated balances	.....	.....	−15,200
	Syria	156,000	146,200	−9,800
	Historical unobligated balances	.....	.....	−9,800
	Total, Counter-ISIS Train and Equip Fund	397,950	372,950	−25,000

Islamic State of Iraq and Syria Detainees.—The Committee is concerned about the burden on the Syrian Democratic Forces [SDF] of holding thousands of Islamic State of Iraq and Syria [ISIS] detainees and notes that the makeshift detention facilities are overcrowded and vulnerable to the types of ISIS attacks that led to the rise of the organization in 2012. The Committee supports efforts of the Department of Defense and international partners to fortify and construct detention facilities to alleviate overcrowding, en-

hance humane detention, and ensure the security of dangerous detainees. The Committee directs the Secretary of Defense to notify the congressional defense committees no later than 30 days prior to obligation of funds for any construction activity and prioritizes detention facilities repair and construction ahead of any other construction activity. Moreover, the Committee directs the Secretary of Defense to engage with the SDF on ensuring that detainees are afforded all protections due under the Geneva Conventions.

OPERATION AND MAINTENANCE, ARMY RESERVE

Budget estimate, 2024	$3,630,948,000
Committee recommendation	3,623,948,000

The Committee recommends an appropriation of $3,623,948,000. This is $7,000,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	LAND FORCES			
10	MODULAR SUPPORT BRIGADES	15,208	15,208	
20	ECHELONS ABOVE BRIGADES	720,802	720,802	
30	THEATER LEVEL ASSETS	143,400	143,400	
40	LAND FORCES OPERATIONS SUPPORT	707,654	707,654	
50	AVIATION ASSETS	134,346	134,346	
	LAND FORCES READINESS			
60	FORCES READINESS OPERATIONS SUPPORT	451,178	451,178	
70	LAND FORCES SYSTEM READINESS	97,564	97,564	
80	DEPOT MAINTENANCE	45,711	45,711	
	LAND FORCES READINESS SUPPORT			
90	BASE OPERATIONS SUPPORT	608,079	606,079	−2,000
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	495,435	520,435	+25,000
110	MANAGEMENT AND OPERATIONS HEADQUARTERS	28,783	28,783	
	CYBERSPACE ACTIVITIES			
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	3,153	3,153	
130	CYBERSPACE ACTIVITIES—CYBERSECURITY	19,591	19,591	
	TOTAL, BUDGET ACTIVITY 1	3,470,904	3,493,904	+23,000
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
140	SERVICEWIDE TRANSPORTATION	19,155	19,155	
	SERVICEWIDE SUPPORT			
150	ADMINISTRATION	21,668	21,668	
160	SERVICEWIDE COMMUNICATIONS	44,118	44,118	
170	MANPOWER MANAGEMENT	7,127	7,127	
180	OTHER PERSONNEL SUPPORT	67,976	67,976	
	TOTAL, BUDGET ACTIVITY 4	160,044	160,044	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	PROJECTED UNDEREXECUTION	.....	−30,000	−30,000
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	3,630,948	3,623,948	−7,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
131	Base Operations Support	608,079	606,079	−2,000
	Unjustified growth	.....	.....	−2,000
132	Facilities Sustainment, Restoration & Modernization	495,435	520,435	+25,000
	Program increase	.....	.....	+25,000
UNDIST	Projected underexecution	.....	−30,000	−30,000

OPERATION AND MAINTENANCE, NAVY RESERVE

Budget estimate, 2024 ..... $1,380,810,000
Committee recommendation 1,384,310,000

The Committee recommends an appropriation of $1,384,310,000. This is $3,500,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, NAVY RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	MISSION AND OTHER FLIGHT OPERATIONS	731,113	731,113	.....
20	INTERMEDIATE MAINTENANCE	10,122	10,122	.....
30	AIRCRAFT DEPOT MAINTENANCE	167,811	167,811	.....
40	AIRCRAFT DEPOT OPERATIONS SUPPORT	103	103	.....
50	AVIATION LOGISTICS	29,185	29,185	.....
	COMBAT OPERATIONS/SUPPORT			
60	COMBAT COMMUNICATIONS	20,806	20,806	.....
70	COMBAT SUPPORT FORCES	186,590	186,590	.....
80	CYBERSPACE ACTIVITIES	296	296	.....
	BASE SUPPORT			
90	ENTERPRISE INFORMATION	32,467	32,467	.....
100	SUSTAINMENT, RESTORATION & MODERNIZATION	63,726	67,226	+3,500
110	BASE OPERATING SUPPORT	121,064	121,064	.....
	TOTAL, BUDGET ACTIVITY 1	1,363,283	1,366,783	+3,500

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
120	ADMINISTRATION	2,025	2,025	.....
130	MILITARY MANPOWER & PERSONNEL MANAGEMENT	13,401	13,401	.....
	LOGISTICS OPERATIONS & TECHNICAL SUPPORT			
140	ACQUISITION AND PROGRAM MANAGEMENT	2,101	2,101	.....
	TOTAL, BUDGET ACTIVITY 4	17,527	17,527	.....
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	1,380,810	1,384,310	+3,500

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
BSMR	Sustainment, Restoration and Modernization	63,726	67,226	+3,500
	Program increase	.....	.....	+3,500

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

Budget estimate, 2024	$329,395,000
Committee recommendation	329,895,000

The Committee recommends an appropriation of $329,895,000. This is $500,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	EXPEDITIONARY FORCES			
10	OPERATING FORCES	128,468	128,468	.....
20	DEPOT MAINTENANCE	20,967	20,967	.....
	BASE SUPPORT			
30	SUSTAINMENT, RESTORATION & MODERNIZATION	46,589	49,089	+2,500
40	BASE OPERATING SUPPORT	120,808	120,808	.....
	TOTAL, BUDGET ACTIVITY 1	316,832	319,332	+2,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE SUPPORT			
50	ADMINISTRATION	12,563	10,563	−2,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, BUDGET ACTIVITY 4	12,563	10,563	−2,000
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	329,395	329,895	+500

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
BSM1	Sustainment, Restoration and Modernization	46,589	49,089	+2,500
	Program increase			+2,500
4A4G	Administration	12,563	10,563	−2,000
	Projected underexecution			−2,000

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

Budget estimate, 2024 ..... $4,116,256,000
Committee recommendation 4,003,756,000

The Committee recommends an appropriation of $4,003,756,000. This is $112,500,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR FORCE RESERVE			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	PRIMARY COMBAT FORCES	2,088,949	2,051,449	−37,500
20	MISSION SUPPORT OPERATIONS	198,213	198,213	
30	DEPOT PURCHASE EQUIPMENT MAINTENANCE	647,758	633,758	−14,000
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	122,314	129,314	+7,000
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	374,442	361,442	−13,000
60	BASE SUPPORT	543,962	543,962	
	CYBERSPACE ACTIVITIES			
70	CYBERSPACE ACTIVITIES	1,742	1,742	
	TOTAL, BUDGET ACTIVITY 1	3,977,380	3,919,880	−57,500
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE ACTIVITIES			
80	ADMINISTRATION	107,281	107,281	
90	RECRUITING AND ADVERTISING	9,373	9,373	
100	MILITARY MANPOWER AND PERS MGMT [ARPC]	15,563	15,563	
110	OTHER PERS SUPPORT (DISABILITY COMP)	6,174	6,174	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
120	AUDIOVISUAL	485	485	
	TOTAL, BUDGET ACTIVITY 4	138,876	138,876	
	PROJECTED UNDEREXECUTION		−55,000	−55,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	4,116,256	4,003,756	−112,500

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
011A	Primary Combat Forces	2,088,949	2,051,449	−37,500
	Unjustified growth			−40,000
	Program increase: Atmospheric rivers research			+2,500
011M	Depot Purchase Equipment Maintenance	647,758	633,758	−14,000
	Unjustified growth			−14,000
011R	Facilities Sustainment, Restoration & Modernization	122,314	129,314	+7,000
	Program increase			+7,000
011W	Contractor Logistics Support and System Support	374,442	361,442	−13,000
	Unjustified growth			−13,000
UNDIST	Projected underexecution		−55,000	−55,000

Joint Use Agreements.—The Committee expects the Air Force and Air Force Reserve to comply with section 2874 of the National Defense Authorization Act for Fiscal Year 2023 (Public Law 117–263) which prohibits the Secretary of the Air Force from entering into joint use agreements between the Air Force and civilian aircraft at Homestead Air Reserve Base. Additionally, the Committee expects that neither the Air Force nor Air Force Reserve will undertake any planning or assessment activities towards such agreements while the prohibition is in place.

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

Budget estimate, 2024 ..... $8,683,104,000
Committee recommendation 8,706,797,000

The Committee recommends an appropriation of $8,706,797,000. This is $23,693,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	LAND FORCES			
10	MANEUVER UNITS	925,071	936,571	+11,500
20	MODULAR SUPPORT BRIGADES	201,781	196,781	−5,000
30	ECHELONS ABOVE BRIGADE	840,373	790,373	−50,000
40	THEATER LEVEL ASSETS	107,392	102,392	−5,000
50	LAND FORCES OPERATIONS SUPPORT	62,908	62,908	.....
60	AVIATION ASSETS	1,113,908	1,101,908	−12,000
	LAND FORCES READINESS			
70	FORCE READINESS OPERATIONS SUPPORT	832,946	820,605	−12,341
80	LAND FORCES SYSTEMS READINESS	50,696	51,496	+800
90	LAND FORCES DEPOT MAINTENANCE	231,784	231,784	.....
	LAND FORCES READINESS SUPPORT			
100	BASE OPERATIONS SUPPORT	1,249,066	1,253,800	+4,734
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	1,081,561	1,176,561	+95,000
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,468,857	1,481,857	+13,000
	CYBERSPACE ACTIVITIES			
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS	9,566	9,566	.....
140	CYBERSPACE ACTIVITIES—CYBERSECURITY	15,710	16,710	+1,000
	TOTAL, BUDGET ACTIVITY 1	8,191,619	8,233,312	+41,693
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	LOGISTICS OPERATIONS			
150	SERVICEWIDE TRANSPORTATION	7,251	7,251	.....
	SERVICEWIDE SUPPORT			
160	ADMINISTRATION	66,025	68,025	+2,000
170	SERVICEWIDE COMMUNICATIONS	113,366	113,366	.....
180	MANPOWER MANAGEMENT	8,663	8,663	.....
190	OTHER PERSONNEL SUPPORT	292,426	292,426	.....
200	REAL ESTATE MANAGEMENT	3,754	3,754	.....
	TOTAL, BUDGET ACTIVITY 4	491,485	493,485	+2,000
	PROJECTED UNDEREXECUTION	.....	−20,000	−20,000
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	8,683,104	8,706,797	+23,693

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
111	Maneuver Units	925,071	936,571	+11,500
	Program increase: Exercise Northern Strike	.....	.....	+11,500
112	Modular Support Brigades	201,781	196,781	−5,000
	Unjustified growth	.....	.....	−5,000
113	Echelons Above Brigade	840,373	790,373	−50,000
	Unjustified growth	.....	.....	−50,000
114	Theater Level Assets	107,392	102,392	−5,000
	Unjustified growth	.....	.....	−5,000
116	Aviation Assets	1,113,908	1,101,908	−12,000
	Unjustified growth	.....	.....	−12,000
121	Force Readiness Operations Support	832,946	820,605	−12,341
	Unjustified growth	.....	.....	−20,000
	Program increase: Irregular warfare training exercises	.....	.....	+3,500
	Program increase: Advanced trauma and public health direct training services	.....	.....	+1,909

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: International advanced trauma and public health training			+750
	Program increase: Wildfire training			+1,500
122	Land Forces Systems Readiness	50,696	51,496	+800
	Program increase: Enhanced National Guard emergency satellite communications capability			+800
131	Base Operations Support	1,249,066	1,253,800	+4,734
	Program increase: Aqueous film forming foam replacement related activities			+2,600
	Program increase: PFAS cleanup and restoration			+2,134
132	Facilities Sustainment, Restoration & Modernization	1,081,561	1,176,561	+95,000
	Program increase			+60,000
	Program increase: Army National Guard MQ–1C AATS			+35,000
133	Management and Operational Headquarters	1,468,857	1,481,857	+13,000
	Program increase: Mental health providers			+8,000
	Program increase: Star behavioral health program			+5,000
153	Cyberspace Activities-Cybersecurity	15,710	16,710	+1,000
	Program increase: National Guard Mission Assurance Program			+1,000
431	Administration	66,025	68,025	+2,000
	Program decrease unaccounted for			−4,000
	Program increase: State Partnership Program			+6,000
UNDIST	Projected underexecution		−20,000	−20,000

Army National Guard Sustainment, Restoration and Modernization Funding.—The Committee recommends a robust funding level in fiscal year 2024 for facility sustainment, restoration and modernization. The Chief of the National Guard Bureau is encouraged to use a portion of these funds to update facilities and armories to address the needs of female servicemembers.

Virtual Language Training.—The Committee notes that foreign language skills are instrumental in building and maintaining global alliances and partnerships and encourages the National Guard Bureau to continue its virtual language training program. The Committee directs the Chief of the National Guard Bureau to submit a report to the congressional defense committees, not later than 180 days after the enactment of this act, that includes the number of Guardsmen receiving virtual language training and level of proficiency achieved, a description of program marketing and sign-up procedures, a listing of classes and languages taught, a comparison of language training offered with current State Partnership Program participants, and funding programmed for National Guard language training through the Future Years Defense Program.

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

Budget estimate, 2024	$7,253,694,000
Committee recommendation	7,268,605,000

The Committee recommends an appropriation of $7,268,605,000. This is $14,911,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD			
	BUDGET ACTIVITY 1: OPERATING FORCES			
	AIR OPERATIONS			
10	AIRCRAFT OPERATIONS	2,498,675	2,478,675	−20,000
20	MISSION SUPPORT OPERATIONS	656,714	669,748	+13,034
30	DEPOT PURCHASE EQUIPMENT MAINTENANCE	1,171,901	1,149,901	−22,000
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	370,188	482,065	+111,877
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,280,003	1,260,003	−20,000
60	BASE SUPPORT	1,089,579	1,071,579	−18,000
70	CYBERSPACE SUSTAINMENT	19,708	19,708	
	CYBERSPACE ACTIVITIES			
80	CYBERSPACE ACTIVITIES	49,476	49,476	
	TOTAL, BUDGET ACTIVITY 1	7,136,244	7,181,155	+44,911
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES			
	SERVICEWIDE ACTIVITIES			
90	ADMINISTRATION	68,417	68,417	
100	RECRUITING AND ADVERTISING	49,033	49,033	
	TOTAL, BUDGET ACTIVITY 4	117,450	117,450	
	PROJECTED UNDEREXECUTION		−30,000	−30,000
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	7,253,694	7,268,605	+14,911

COMMITTEE RECOMMENDED ADJUSTMENTS

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
011F	Aircraft Operations	2,498,675	2,478,675	−20,000
	Unjustified growth			−20,000
011G	Mission Support Operations	656,714	669,748	+13,034
	Program increase: Advanced trauma and public health direct training services			+2,034
	Program increase: Mental health providers			+5,000
	Program increase: State Partnership Program			+2,500
	Program increase: Training and equipment for KC–135 classic associations			+2,000
	Program increase: Wildfire training			+1,500
011M	Depot Purchase Equipment Maintenance	1,171,901	1,149,901	−22,000
	Unjustified growth			−22,000
011R	Facilities Sustainment, Restoration & Modernization	370,188	482,065	+111,877
	Program increase			+20,000
	Program increase: Additional facility enhancements for future foreign military pilot training sites			+90,977
	Program increase: Repair hangar fire systems			+900
011W	Contractor Logistics Support and System Support	1,280,003	1,260,003	−20,000
	Unjustified growth			−20,000
011Z	Base Support	1,089,579	1,071,579	−18,000
	Unjustified growth			−18,000
UNDIST	Projected underexecution		−30,000	−30,000

Combat Readiness Training Centers.—The Committee recognizes the strategic value that Air National Guard combat readiness training centers provide to the readiness and capabilities of the

joint force. Therefore, in fiscal year 2024, the Committee expects the Secretary of the Air Force and the Chief of the National Guard Bureau to continue resourcing personnel and operations at all four combat readiness training centers at no less than the funding levels included in the Department of Defense Appropriations Act, 2023 (Public Law 117–328). The Committee directs the Secretary of the Air Force, in coordination with the Chief of the National Guard Bureau, to provide a report to the Committees on Appropriations of the House of Representatives and the Senate, not later than 90 days after the enactment of this act, detailing plans for the operations, manning, and anticipated annual funding requirements for each of the combat readiness training centers from fiscal year 2024 through the Future Years Defense Program.

Joint Terminal Attack Controller Training.—The Committee is concerned that the Air National Guard has been unable to meet Joint Terminal Attack Controller [JTAC] training requirements for initial qualification training or re-qualification, which could negatively impact readiness. The Committee encourages the Secretary of the Air Force to conduct additional training with airborne aircraft to reduce this backlog and support JTAC training requirements.

Air National Guard Tuition Assistance.—The Committee supports the establishment of an Air National Guard tuition assistance program similar to that of the Army National Guard and encourages the Chief of the National Guard Bureau, to include the tuition assistance program for both the Army and Air Guard in its future budget requests.

U.S. COURT OF APPEALS FOR THE ARMED FORCES

Budget estimate, 2024	$16,620,000
Committee recommendation	16,620,000

The Committee recommends an appropriation of $16,620,000. This is equal to the budget estimate.

ENVIRONMENTAL RESTORATION, ARMY

Budget estimate, 2024	$198,760,000
Committee recommendation	265,860,000

The Committee recommends an appropriation of $265,860,000. This is $50,000,000 above the budget estimate for the Installation Restoration Program and $17,100,000 above the budget estimate for the Military Munitions Response Program.

ENVIRONMENTAL RESTORATION, NAVY

Budget estimate, 2024	$335,240,000
Committee recommendation	405,240,000

The Committee recommends an appropriation of $405,240,000. This is $60,000,000 above the budget estimate for the Navy to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances and $10,000,000 above the budget estimate for the Military Munitions Response Program.

ENVIRONMENTAL RESTORATION, AIR FORCE

Budget estimate, 2024	$349,744,000
Committee recommendation	406,744,000

The Committee recommends an appropriation of $406,744,000. This is $5,000,000 above the budget estimate for the Air Force and Air National Guard to address costs associated with remediating contamination caused by per- and polyfluoroalkyl substances, $50,000,000 above the budget estimate for the Installation Restoration Program, and $2,000,000 above the budget estimate for the Military Munitions Response Program.

ENVIRONMENTAL RESTORATION, DEFENSE–WIDE

Budget estimate, 2024	$8,965,000
Committee recommendation	8,965,000

The Committee recommends an appropriation of $8,965,000. This is equal to the budget estimate.

ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

Budget estimate, 2024	$232,806,000
Committee recommendation	232,806,000

The Committee recommends an appropriation of $232,806,000. This is equal to the budget estimate.

OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

Budget estimate, 2024	$114,900,000
Committee recommendation	114,900,000

The Committee recommends an appropriation of $114,900,000. This is equal to the budget estimate.

COOPERATIVE THREAT REDUCTION ACCOUNT

Budget estimate, 2024	$350,999,000
Committee recommendation	350,999,000

The Committee recommends an appropriation of $350,999,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Item	2024 budget estimate	Committee recommendation	Change from Estimate
Strategic Offensive Arms Elimination	6,815	6,815	.....
Chemical Security & Elimination	16,400	16,400	.....
Global Nuclear Security	19,406	19,406	.....
Biological Threat Reduction Program	228,030	228,030	.....
Proliferation Prevention	46,324	46,324	.....
Other Assessments/Administrative Costs	34,024	34,024	.....
Total, Cooperative Threat Reduction Account	350,999	350,999	.....

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT

Budget estimate, 2024	$54,977,000
Committee recommendation	79,977,000

The Committee recommends an appropriation of $79,977,000. This is $25,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Recruiting and Hiring	3,000	8,000	+5,000
	Program increase: Recruiting a diverse classified workforce			+5,000
2	Training and Development	50,577	50,577	
3	Recognition and Retention	1,400	1,400	
UNDIST	Undistributed		20,000	+20,000
UNDIST	Program increase: Defense Civilian Training Corps			+20,000
	Total, Department of Defense Acquisition Workforce Development Account	54,977	79,977	+25,000

Department of Defense Acquisition Workforce Reporting Requirements.—The Committee directs the Under Secretary for Defense (Acquisition and Sustainment) to provide the Department of Defense Acquisition Workforce Development Account annual report to the congressional defense committees not later than 30 days after submission of the fiscal year 2025 President's budget request. Further, as in previous years, the Under Secretary of Defense (Acquisition and Sustainment) is directed to provide the congressional defense committees with the fiscal year 2025 President's budget request additional details regarding total funding for the acquisition workforce by funding category and specific appropriations accounts in the Future Years Defense Program, to include an explanation of changes from prior year's submission.

Department of Defense Acquisition Workforce Development Account Reprogramming Guidance.—The Secretary of Defense is directed to follow reprogramming guidance for the Department of Defense Acquisition Workforce Development Account [DAWDA] consistent with reprogramming guidance for acquisition accounts detailed elsewhere in this explanatory statement. The dollar threshold for reprogramming DAWDA funds is $15,000,000.

TITLE III

PROCUREMENT

Funds appropriated under this title provide the resources required to purchase military equipment and hardware, including aircraft, ships, missiles, combat vehicles, ammunition, weapons, electronic sensors and communications equipment, and other procurement items.

The President's fiscal year 2024 budget requests a total of $169,056,946,000 for procurement appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends procurement appropriations totaling $169,446,717,000 for fiscal year 2024. This is $389,771,000 above the budget estimate.

Committee recommended procurement appropriations for fiscal year 2024 are summarized below:

SUMMARY OF PROCUREMENT APPROPRIATIONS

[In thousands of dollars]

Account	2024 budget estimate	Committee recommendation	Change from budget estimate
Procurement:			
Aircraft Procurement, Army	3,012,440	3,154,007	+141,567
Missile Procurement, Army	4,962,017	4,826,906	−135,111
Procurement of Weapons and Tracked Combat Vehicles, Army	3,765,521	4,070,011	+304,490
Procurement of Ammunition, Army	2,967,578	2,888,332	−79,246
Other Procurement, Army	8,672,979	8,402,000	−270,979
Aircraft Procurement, Navy	17,336,760	18,759,061	+1,422,301
Weapons Procurement, Navy	6,876,385	6,124,220	−752,165
Procurement of Ammunition, Navy and Marine Corps	1,293,273	1,187,912	−105,361
Shipbuilding and Conversion, Navy	32,848,950	33,250,631	+401,681
Other Procurement, Navy	14,535,257	14,711,311	+176,054
Procurement, Marine Corps	3,979,212	3,957,695	−21,517
Aircraft Procurement, Air Force	20,315,204	20,114,772	−200,432
Missile Procurement, Air Force	5,530,446	5,590,622	+60,176
Procurement of Ammunition, Air Force	703,158	636,579	−66,579
Other Procurement, Air Force	30,417,892	30,397,452	−20,440
Procurement, Space Force	4,714,294	4,034,798	−679,496
Procurement, Defense-Wide	6,156,975	6,059,196	−97,779
Defense Production Act Purchases	968,605	431,212	−537,393
National Guard and Reserve Equipment	.....	850,000	+850,000
Total	169,056,946	169,446,717	+389,771

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110–279). The dollar threshold for

reprogramming funds will increase to $15,000,000 for procurement and research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this act. Reports for titles III and IV shall comply with guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act for Fiscal Year 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a procurement (P–1), or a research, development, test and evaluation (R–1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this explanatory statement.

FUNDING INCREASES

The funding increases outlined in the tables accompanying each appropriation account shall be provided only for the specific purposes indicated in the tables of Committee Recommended Adjustments. The Committee directs that funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

PROCUREMENT SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the tables detailing Committee recommended adjustments or in paragraphs using the phrase "only for" or "only to" are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed elsewhere in this explanatory statement.

PROCUREMENT OVERVIEW

Army Organic Industrial Base.—The Committee directs the Secretary of the Army to provide 45-day written notification to the congressional defense committees prior to the Secretary approving civilian reductions in force that will result in an employment loss of 50 or more full-time employees at any Army organic industrial base facility. The notification shall include the impact that the proposed reduction in force will have on the ability to maintain the organic industrial base critical manufacturing capabilities as delineated in the Army Organic Industrial Base Strategy Report, a detailed accounting of the costs of implementing the reduction in force, and an assessment of the cost of, and time necessary, to re-

store any lost capability to meet future organic wartime manufacturing needs.

Arsenal Sustainment Initiative.—The Committee continues to support the Department of the Army's efforts to ensure that the critical manufacturing capabilities of the Nation's organic industrial base are maintained, and commends the Army for issuing a definitive make-or-buy directive for the manufacturing arsenals. The guidance ensures that the arsenals will be given fair consideration for every Army acquisition; provides for a 30-day review of all such decisions by the Army Acquisition Executive; requires all private sector companies to consider the arsenals as a potential supplier of component parts; and provides for an annual review of this overall process. The Committee encourages the Army to implement the directive consistently to ensure the arsenals have the workload necessary to maintain the proficiency and capacity to meet the manufacturing needs of the Nation during war and peacetime. The Committee notes that it has not yet received detailed recommendations from the Secretary of Defense on how the Air Force, Navy, and Marine Corps can better use the arsenals for their manufacturing needs, or what opportunities may exist for the arsenals to assist the services and the Defense Logistics Agency to procure for the Department's spare parts inventory, as required by Senate Report 114–63.

Counter-Small Unmanned Aircraft Systems.—The Committee supports the development and procurement of Counter-Small Unmanned Aircraft System [C-sUAS] capabilities to defend against the increasingly complex and proliferating threats posed by sUAS. The fiscal year 2024 President's budget request includes $100,000,000 for C-sUAS procurement within the Procurement, Defense-Wide appropriations account, with the intent to transfer the funding to other military service appropriation procurement accounts within the year-of-execution based on assumed, but not yet identified, emergent capability gaps and operational needs. The Committee believes that investment in these capabilities is most appropriately resourced within the services and coordinated through the existing Army-led Joint C-sUAS office [JCO] which, as the Executive Agent for C-sUAS, is responsible for the rapid development, test and evaluation, demonstration, or modification of systems to allow for a more agile transition of the capability to the services who can use a common procurement contract. The Committee directs the Secretary of the Army, as Executive Agent for C-sUAS, in coordination with the Secretary of the Navy and the Secretary of the Air Force, to review programs of record and nonstandard items of equipment dedicated to C-sUAS capabilities. Not later than 90 days after the enactment of this act, the Secretary of Army shall deliver a report to the congressional defense committees with recommendations on how to bolster and streamline programs-of-record across the services, as well as any enduring investments required across the Future Years Defense Program to address this capability gap.

Army Vehicle Procurement.—The Committee is concerned that the Army continues to submit annual budget requests that significantly underfund the Army's validated procurement strategies or do not support minimum sustaining rates [MSR] of production that

are needed to sustain a diverse vehicle industrial base, thereby underfunding the Army's requirements. For example, the Army again requested a fraction of the number of Abrams tanks needed to meet the acquisition strategy, relying on Congress to again add funds to sustain ongoing production and maintain the ready workforce. The Committee recommends the transfer of $102,440,000 from the proposed Abrams advance procurement line, and adding an additional $430,000,000, to make up the shortfall in current tank production. Further, the Army continues to request funding levels below the MSR for the high mobility multipurpose wheeled vehicle [HMMWV] production line, despite an ongoing requirement to modernize the HMMWV fleet. Therefore the Committee directs the Secretary of the Army to submit a report to the congressional defense committees not later than 90 days following the enactment of this act that accounts for all Army requirements to modernize the tactical wheeled vehicle fleet and maintain a viable and competitive industrial base necessary to satisfy the Army's requirements. This report shall include tactical wheeled vehicle production lines anticipated to close within the next 5 years based on the Army's proposed investment in the Future Years Defense Program, including any lost capital investments, workforce, supplier networks, and overall capacity, and an evaluation of how the Army could minimize such losses in future fiscal years.

Satisfying Future Requirements.—The Committee notes that the Department of the Air Force plans to divest older aircraft in order to invest in future capabilities. The Committee supports the divestment of older aircraft no longer capable of operating in a denied environment and investing those resources in research, development, test, and evaluation efforts of future platforms to include the Next Generation Air Dominance system, Collaborative Combat Aircraft, the B–21 Raider, and future Intelligence, Surveillance, and Reconnaissance [ISR] aircraft. However, the Committee is concerned that the divestment of legacy platforms prior to future capabilities being ready for employment creates a capability gap, resulting in combatant command requirements being unsatisfied. The Assistant Secretary of Air Force (Acquisition, Technology, and Logistics) in coordination with the Under Secretary of Defense (Acquisition and Sustainment) and the Chairman of the Joint Requirements Oversight Council is directed to provide to the congressional defense committees not later than 90 days after enactment of this act a comprehensive plan explaining how the Department of the Air Force intends to satisfy combatant command requirements for fighter aircraft, bomber capacity, and tactical ISR capabilities for the fiscal year 2024 Future Years Defense Program.

Further, the Committee is aware that the divestment of aircraft without the commensurate procurement of replacement capabilities results in a gap in the mission and requirements of fielded aircraft and platforms. The Secretary of the Air Force is directed to submit a report with the fiscal year 2025 President's budget submission that describes the plan for mitigating the gap between divestments and future platforms, both in terms of timing and total fielded capabilities.

AIRCRAFT PROCUREMENT, ARMY

Budget estimate, 2024	$3,012,440,000
Committee recommendation	3,154,007,000

The Committee recommends an appropriation of $3,154,007,000. This is $141,567,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT PROCUREMENT, ARMY						
	AIRCRAFT						
	FIXED WING						
2	MQ–1 UAV						
3	FUTURE UAS FAMILY		53,453				−53,453
5	SMALL UNMANNED AIRCRAFT SYSTEM		20,769		20,769		
	ROTARY						
6	AH–64 APACHE BLOCK IIIA REMAN	42	718,578	42	718,578		
7	AH–64 APACHE BLOCK IIIA REMAN (AP–CY)		110,360		110,360		
8	UH–60 BLACKHAWK (MYP)	24	668,258	24	668,258		
9	UH–60 BLACKHAWK (MYP) (AP–CY)		92,494		92,494		
10	UH–60 BLACKHAWK L AND V MODELS	26	153,196	26	153,196		
11	CH–47 HELICOPTER	6	202,487	10	379,987	+4	+177,500
12	CH–47 HELICOPTER (AP–CY)		18,936		18,936		
	TOTAL, AIRCRAFT		2,038,531		2,162,578		+124,047
	MODIFICATION OF AIRCRAFT						
13	MQ–1 PAYLOAD		13,650		13,650		
14	GRAY EAGLE MODS2		14,959		14,959		
15	MULTI SENSOR ABN RECON						
16	AH–64 MODS		113,127		113,127		
17	CH–47 CARGO HELICOPTER MODS (MYP)		20,689		35,689		+15,000
20	EMARSS SEMA MODS						
22	UTILITY HELICOPTER MODS		35,879		40,879		+5,000
23	NETWORK AND MISSION PLAN		32,418		33,168		+750
24	COMMS, NAV SURVEILLANCE		74,912		74,912		
25	DEGRADED VISUAL ENVIRONMENT		16,838		16,838		
26	AVIATION ASSURED PNT		67,383		67,383		
27	GATM ROLLUP		8,924		8,924		
29	UAS MODS		2,258		2,258		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, MODIFICATION OF AIRCRAFT	.....	401,037	.....	421,787	.....	+20,750
	SUPPORT EQUIPMENT AND FACILITIES						
	GROUND SUPPORT AVIONICS						
30	AIRCRAFT SURVIVABILITY EQUIPMENT	.....	161,731	.....	156,501	.....	−5,230
31	SURVIVABILITY CM	.....	6,526	.....	6,526	.....	.....
32	CMWS	.....	72,041	.....	72,041	.....	.....
33	COMMON INFRARED COUNTERMEASURES (CIRCM)	125	261,384	125	261,384	.....	.....
	OTHER SUPPORT						
34	COMMON GROUND EQUIPMENT	.....	25,752	.....	27,752	.....	+2,000
35	AIRCREW INTEGRATED SYSTEMS	.....	22,097	.....	22,097	.....	.....
36	AIR TRAFFIC CONTROL	.....	21,216	.....	21,216	.....	.....
37	LAUNCHER, 275 ROCKET	.....	2,125	.....	2,125	.....	.....
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES	.....	572,872	.....	569,642	.....	−3,230
	TOTAL, AIRCRAFT PROCUREMENT, ARMY	.....	3,012,440	.....	3,154,007	.....	+141,567

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[Dollars in thousands]

Line	Item	2024 budget estimate	Committee recommendation	Change from estimate
3	Future UAS Family	53,453		−53,453
	Inc. 2 early to need			−53,453
11	CH–47 Helicopter	202,487	379,987	+177,500
	Program increase: Additional helicopters			+177,500
17	CH–47 Cargo Helicopter Mods [MYP]	20,689	35,689	+15,000
	Program increase: Hybrid enhanced ballistic protection systems			+15,000
22	Utility Helicopter Mods	35,879	40,879	+5,000
	Program increase: 60kVA generators for UH–60			+2,000
	Program increase: Litter basket stabilization technology for search and rescue			+3,000
23	Network And Mission Plan	32,418	33,168	+750
	Program increase: Flight scheduling software			+750
30	Aircraft Survivability Equipment	161,731	156,501	−5,230
	B–Kit unit cost adjustment			−5,230
34	Common Ground Equipment	25,752	27,752	+2,000
	Program increase: Aviation ground support equipment			+2,000

MISSILE PROCUREMENT, ARMY

Budget estimate, 2024 ..... $4,962,017,000
Committee recommendation 4,826,906,000

The Committee recommends an appropriation of $4,826,906,000. This is $135,111,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MISSILE PROCUREMENT, ARMY						
	OTHER MISSILES						
	SURFACE–TO–AIR MISSILE SYSTEM						
1	LOWER TIER AIR AND MISSILE DEFENSE (AMD)		6,625		6,625		
2	LOWER TIER AIR AND MISSILE DEFENSE (AMD) (AP–CY)						
3	M–SHORAD—PROCUREMENT	22	400,697	22	342,220		−58,477
4	MSE MISSILE	230	1,212,832	230	960,832		−252,000
4a	MSE Missile—AP				252,000		+252,000
5	INDUSTRIAL PREPAREDNESS ARMY MISSILE						
6	PRECISION STRIKE MISSILE (PRSM)	110	384,071	110	377,821		−6,250
7	INDIRECT FIRE PROTECTION CAPABILITY INC 2—I		313,189		260,167		−53,022
8	MID–RANGE CAPABILITY (MRC)		169,519		169,519		
	AIR–TO–SURFACE MISSILE SYSTEM						
9	HELLFIRE SYS SUMMARY		21,976		21,976		
10	JOINT AIR–TO–GROUND MSLS (JAGM)	901	303,409	901	303,409		
11	LONG RANGE PRECISION MUNITION				5,000		+5,000
12	LONG–RANGE HYPERSONIC WEAPON		156,821		156,821		
	ANTI–TANK/ASSAULT MISSILE SYSTEM						
13	JAVELIN (AAWS–M) SYSTEM SUMMARY	541	199,509	187	122,147	−354	−77,362
14	TOW 2 SYSTEM SUMMARY	850	120,475	850	120,475		
15	GUIDED MLRS ROCKET (GMLRS)	5016	886,367	5,016	886,367		
16	GUIDED MLRS ROCKET (GMLRS) (AP–CY)		55,913		55,913		
17	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	366	10,334	366	10,334		
18	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)	28	179,230	28	179,230		
19	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM		7,307		12,307		+5,000
20	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS						
	TOTAL, OTHER MISSILES		4,428,274		4,243,163		−185,111

	MODIFICATION OF MISSILES						
	MODIFICATIONS						
21	PATRIOT MODS		212,247		212,247		
22	STINGER MODS		36,484		36,484		
23	AVENGER MODS		22,274		22,274		
24	ITAS/TOW MODS						
25	MLRS MODS		168,198		168,198		
26	HIMARS MODIFICATIONS		76,266		76,266		
	TOTAL, MODIFICATION OF MISSILES		515,469		515,469		
	SPARES AND REPAIR PARTS						
27	SPARES AND REPAIR PARTS		6,573		56,573		+50,000
	SUPPORT EQUIPMENT AND FACILITIES						
28	AIR DEFENSE TARGETS		11,701		11,701		
	TOTAL, MISSILE PROCUREMENT, ARMY		4,962,017		4,826,906		−135,111

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
3	M–SHORAD—Procurement	400,697	342,220	−58,477
	Unit cost adjustment			−15,477
	Unjustified growth: Initial spares and repair parts			−43,000
4	MSE Missile	1,212,832	960,832	−252,000
	Transfer to line 4a: Advance procurement			−252,000
4a	MSE Missile—AP		252,000	+252,000
	Transfer from line 4: Advance procurement (FY 2024 for FY2025)			+126,000
	Transfer from line 4: Advance procurement (FY 2024 for FY2026)			+126,000
6	PRECISION STRIKE MISSILE [PRSM]	384,071	377,821	−6,250
	Unjustified growth: Software maintenance			−6,250
7	INDIRECT FIRE PROTECTION CAPABILITY INC 2–I	313,189	260,167	−53,022
	Unjustified growth: Integrated logistics support			−37,122
	Contractor management			−15,900
11	Long Range Precision Munition		5,000	+5,000
	Program increase: Long Range Precision Munition			+5,000
13	Javelin [AAWS–M] System Summary	199,509	122,147	−77,362
	AUR excess to capacity			−77,362
19	ARMY TACTICAL MSL SYS [ATACMS]—SYS SUM	7,307	12,307	+5,000
	Program increase: ATACMS			+5,000
27	Spares And Repair Parts	6,573	56,573	+50,000
	Program increase: Spares and repair parts			+50,000

Javelin missiles.—The Committee strongly supports the Javelin missile system program and recognizes its exceptional operational value and effectiveness for the Ukrainian Armed Forces and for the military services. However, the Committee understands that the Army no longer plans to procure additional missiles with fiscal year 2024 funding as proposed in the President's budget request, in light of the $1,839,715,000 in Ukraine replenishment funding directed to the Javelin program over the last 15 months. Therefore, the Committee recommends a reduction of $77,362,000. Finally, the Committee supports the multi-year facilitization plan to expand annual production from 2,100 missiles per year to 4,000 per year by the end of 2026, and recommends $18,459,000 to complete this effort.

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Budget estimate, 2024 ..... $3,765,521,000
Committee recommendation 4,070,011,000

The Committee recommends an appropriation of $4,070,011,000. This is $304,490,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY						
	TRACKED COMBAT VEHICLES						
1	ARMORED MULTI PURPOSE VEHICLE (AMPV)	91	554,777	91	399,625	.....	−155,152
2	ASSAULT BREACHER VEHICLE (ABV)	.....	.....	.....	.....	.....	.....
3	MOBILE PROTECTED FIREPOWER	33	394,635	33	394,635	.....	.....
	MODIFICATION OF TRACKED COMBAT VEHICLES						
4	STRYKER UPGRADE	85	614,282	85	585,913	.....	−28,369
5	BRADLEY FIRE SUPPORT TEAM (BFIST) VEHICLE	128	5,232	128	5,232	.....	.....
6	BRADLEY PROGRAM (MOD)	.....	158,274	.....	192,070	.....	+33,796
7	M109 FOV MODIFICATIONS	.....	90,986	.....	90,986	.....	.....
8	PALADIN INTEGRATED MANAGEMENT (PIM)	24	469,152	24	469,152	.....	.....
9	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES)	.....	41,058	.....	41,058	.....	.....
12	JOINT ASSAULT BRIDGE	24	159,804	24	159,804	.....	.....
13	ABRAMS UPGRADE PROGRAM	34	697,883	87	1,230,323	+53	+532,440
14	ABRAMS UPGRADE PROGRAM (AP–CY)	.....	102,440	.....	.....	.....	−102,440
	TOTAL, TRACKED COMBAT VEHICLES	.....	3,288,523	.....	3,568,798	.....	+280,275
	WEAPONS AND OTHER COMBAT VEHICLES						
16	PERSONAL DEFENSE WEAPON (ROLL)	.....	510	.....	150	.....	−360
17	M240 MEDIUM MACHINE GUN (762MM)	.....	425	.....	12,500	.....	+12,075
18	MULTI–ROLE ANTI–ARMOR ANTI–PERSONNEL WEAPONS	.....	.....	.....	.....	.....	.....
19	MACHINE GUN, CAL 50 M2 ROLL	.....	3,420	.....	3,420	.....	.....
20	MORTAR SYSTEMS	.....	8,013	.....	8,013	.....	.....
21	LOCATION & AZIMUTH DETERMINATION SYSTEM (LADS	.....	3,174	.....	3,174	.....	.....
22	XM320 GRENADE LAUNCHER MODULE (GLM)	.....	14,143	.....	14,143	.....	.....
23	PRECISION SNIPER RIFLE	.....	5,248	.....	7,748	.....	+2,500
24	CARBINE	.....	571	.....	571	.....	.....
25	NEXT GENERATION SQUAD WEAPON	.....	292,850	.....	292,850	.....	.....
26	HANDGUN	.....	32	.....	32	.....	.....
27	MK–19 Grenade Machine Gun MODS	.....	.....	.....	10,000	.....	+10,000

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MOD OF WEAPONS AND OTHER COMBAT VEH						
28	M777 MODS		18,920		18,920		
29	M2 50 CAL MACHINE GUN MODS						
31	M119 MODIFICATIONS		13,097		13,097		
32	MORTAR MODIFICATION		423		423		
	SUPPORT EQUIPMENT AND FACILITIES						
33	ITEMS LESS THAN $50M (WOCV–WTCV)		1,148		1,148		
34	PRODUCTION BASE SUPPORT (WOCV–WTCV)		115,024		115,024		
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES		476,998		501,213		+24,215
	TOTAL, PROCUREMENT OF W&TCV, ARMY		3,765,521		4,070,011		+304,490

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Armored Multi Purpose Vehicle [AMPV]	554,777	399,625	−155,152
	Program adjustment			−155,152
4	Stryker Upgrade	614,282	585,913	−28,369
	DVHA1 30mm MCWS testing delays			−17,676
	DVHA1 30mm MCWS production early to need			−10,693
6	Bradley Program (MOD)	158,274	192,070	+33,796
	Unjustified growth: modification 7 installation			−6,204
	Program increase: Active protective system			+40,000
13	Abrams Upgrade Program	697,883	1,230,323	+532,440
	Transfer from WTCV line 14			+102,440
	Program increase			+430,000
14	Abrams Upgrade Program [AP–CY]	102,440		−102,440
	Transfer to WTCV line 13			−102,440
16	Personal Defense Weapon (Roll)	510	150	−360
	Excessive unit cost			−360
17	M240 Medium Machine Gun (7.62 mm)	425	12,500	+12,075
	Program increase: M240 medium machine gun			+12,075
23	Precision Sniper Rifle	5,248	7,748	+2,500
	Program increase: Precision Sniper Rifle			+2,500
27	MK–19 Grenade Machine Gun MODS		10,000	+10,000
	Program increase: Mk93 mounts			+10,000

Armored Multipurpose Vehicle.—The Committee recognizes the importance of the Armored Multipurpose Vehicle as the Army's primary next generation armored personnel carrier. However, the Committee notes that the current production line cannot support the number of vehicles requested in the budget request when taking into account current vehicle orders. Therefore, the Committee recommends a reduction of $155,152,000. To prevent further delays, the Committee encourages the Army and industry to conclude outstanding contract negotiations, complete the expansion of the production line in a timely manner, and resolve issues related to hexavalent chromium wash primer. The Committee notes that its recommendation retains the planned production rate.

Grenade Launcher Sights.—The Committee notes the benefit of modern grenade launcher sights to enable soldiers to more effectively engage targets with the M320 Grenade Launcher Module. Modern grenade launcher sights provide soldiers with the ability to accurately engage targets in both daytime and nighttime, with a variety of different ballistic solutions. The Committee supports the Department of the Army's efforts to field the equivalent number of grenade launcher sights as M320s, and encourages the Chief of Staff of the Army to appropriately budget for additional systems as part of the President's fiscal year 2025 budget request in order to expedite delivery of this capability to the field.

PROCUREMENT OF AMMUNITION, ARMY

Budget estimate, 2024	$2,967,578,000
Committee recommendation	2,888,332,000

The Committee recommends an appropriation of $2,888,332,000. This is $79,246,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF AMMUNITION, ARMY						
	AMMUNITION						
	SMALL/MEDIUM CAL AMMUNITION						
1	CTG, 556MM, ALL TYPES	.....	90,853	.....	88,409	.....	−2,444
2	CTG, 762MM, ALL TYPES	.....	65,370	.....	59,232	.....	−6,138
3	NEXT GENERATION SQUAD WEAPON AMMUNITION	.....	191,244	.....	127,609	.....	−63,635
4	CTG, HANDGUN, ALL TYPES	.....	6,597	.....	6,420	.....	−177
5	CTG, 50 CAL, ALL TYPES	.....	41,534	.....	49,034	.....	+7,500
6	CTG, 20MM, ALL TYPES	.....	7,925	.....	15,425	.....	+7,500
7	CTG, 25MM, ALL TYPES	.....	38,760	.....	31,503	.....	−7,257
8	CTG, 30MM, ALL TYPES	.....	107,805	.....	98,532	.....	−9,273
9	CTG, 40MM, ALL TYPES	.....	148,970	.....	148,970	.....	.....
10	CTG, 50MM, ALL TYPES	.....	28,000	.....	28,000	.....	.....
	MORTAR AMMUNITION						
11	60MM MORTAR, ALL TYPES	.....	35,160	.....	35,160	.....	.....
12	81MM MORTAR, ALL TYPES	.....	40,562	.....	40,562	.....	.....
13	120MM MORTAR, ALL TYPES	.....	106,784	.....	110,689	.....	+3,905
	TANK AMMUNITION						
14	CTG TANK 105MM AND 120MM: ALL TYPES	.....	300,368	.....	300,368	.....	.....
	ARTILLERY AMMUNITION						
15	CTG, ARTY, 75MM AND 105MM: ALL TYPES	.....	21,298	.....	21,298	.....	.....
16	ARTILLERY PROJECTILE, 155MM, ALL TYPES	.....	150,839	.....	150,839	.....	.....
18	PRECISION ARTILLERY MUNITIONS	.....	96,406	.....	96,406	.....	.....
19	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES	.....	172,947	.....	172,947	.....	.....
	MINES						
20	MINES AND CLEARING CHARGES, ALL TYPES	.....	71,182	.....	71,182	.....	.....
21	CLOSE TERRAIN SHAPING OBSTACLE	.....	55,374	.....	17,410	.....	−37,964
	ROCKETS						
22	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	.....	18,630	.....	18,630	.....	.....
23	ROCKET, HYDRA 70, ALL TYPES	.....	87,293	.....	120,293	.....	+33,000

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER AMMUNITION						
24	CAD/PAD ALL TYPES		6,564		6,564		
25	DEMOLITION MUNITIONS, ALL TYPES		24,238		24,238		
26	GRENADES, ALL TYPES		48,374		50,874		+2,500
27	SIGNALS, ALL TYPES		23,252		13,489		−9,763
28	SIMULATORS, ALL TYPES		11,309		11,309		
	MISCELLANEOUS						
30	AMMO COMPONENTS, ALL TYPES		3,976		3,976		
31	NON–LETHAL AMMUNITION, ALL TYPES		3,281		3,281		
32	ITEMS LESS THAN $5 MILLION		17,436		17,436		
33	AMMUNITION PECULIAR EQUIPMENT		13,133		13,133		
34	FIRST DESTINATION TRANSPORTATION (AMMO)		18,068		18,068		
35	CLOSEOUT LIABILITIES		102		102		
	TOTAL, AMMUNITION		2,053,634		1,971,388		−82,246
	AMMUNITION PRODUCTION BASE SUPPORT						
	PRODUCTION BASE SUPPORT						
36	INDUSTRIAL FACILITIES		726,135		729,135		+3,000
37	CONVENTIONAL MUNITIONS DEMILITARIZATION		183,752		183,752		
38	ARMS INITIATIVE		4,057		4,057		
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT		913,944		916,944		+3,000
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY		2,967,578		2,888,332		−79,246

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Ctg, 5.56mm, All Types	90,853	88,409	−2,444
	Excess to need: Ctg, 5.56mm, short range training, M1037, single round			−2,444
2	Ctg, 7.62mm, All Types	65,370	59,232	−6,138
	Excess to need: Ctg, 7.62mm blank, M82 w/M13 link			−595
	Excess to need: Ctg, 7.62mm 4 ball M80A1/1 tracer M62A1 lead free			−13,043
	Program increase: 7.62mm ammunition			+7,500
3	Next Generation Squad Weapon Ammunition	191,244	127,609	−63,635
	Excess to need: Next Generation Reduced Range Round			−63,635
4	Ctg, Handgun, All Types	6,597	6,420	−177
	Excess to need: Ctg 9mm marking red			−177
5	Ctg, .50 Cal, All Types	41,534	49,034	+7,500
	Program increase: .50 caliber ammunition			+7,500
6	Ctg, 20mm, All Types	7,925	15,425	+7,500
	Program increase: 20mm ammunition			+7,500
7	Ctg, 25mm, All Types	38,760	31,503	−7,257
	Excess to need: Ctg 25mm TPDS–T M910			−7,257
8	Ctg, 30mm, All Types	107,805	98,532	−9,273
	Excess to need: Ctg, 30mm TP, M788, single, f/gun M230			−9,273
13	120mm Mortar, All Types	106,784	110,689	+3,905
	Excess to need: Ctg, 120mm mortar FRTR, M931 series w/ pract fuze			−1,095
	Program increase: 120mm mortar WP smoke			+5,000
21	Close Terrain Shaping Obstacle	55,374	17,410	−37,964
	Program reduction: Close Terrain Shaping Obstacle, XM204			−37,964
23	Rocket, Hydra 70, All Types	87,293	120,293	+33,000
	Program increase: Hydra 70 rockets			+33,000
26	Grenades, All Types	48,374	50,874	+2,500
	Program increase: 66mm vehicle launched white smoke training grenade			+1,000
	Program increase: M18 green smoke hand grenade			+500
	Program increase: M18 yellow smoke hand grenade			+500
	Program increase: M18 violet smoke hand grenade			+500
27	Signals, All Types	23,252	13,489	−9,763
	Excess to need: Signal, hand held red star cluster M158			−1,680
	Early to need: Flare, aircraft countermeasure, RF (Passive)			−8,083
36	Industrial Facilities	726,135	729,135	+3,000
	Program increase: Melt pour facility modernization			+3,000

Aligning Munitions Requirements with Acquisition.—The Committee notes its past direction for the Secretary of the Army to align proposed munitions acquisition activities with validated requirements. Consistent with the Committee's position in prior years, the recommendation does not support the procurement of munitions that are both in excess to the Army's requirements and to the steady production rates.

120 Millimeter Visual Light Illumination Mortar.—The Committee recognizes the current need for M930 120 millimeter visual light illumination mortars due to increased threats. Further, the Committee recognizes the specialized capability inherent at the

Pine Bluff Arsenal to produce white phosphorus mortar ammunition. The Committee recommends support of the fiscal year 2024 President's budget request for continued production of M930 120 millimeter mortar ammunition.

Army Ammunition Plant Modernization Plan.—The Committee notes the importance of the Army Ammunition Plant Modernization Plan and that the plan considers many critical priorities, including safety, readiness, and modernization that will require more than $6,500,000,000 in needed investments across the Future Years Defense Program. However, the Committee is concerned that the current plan does not sufficiently prioritize both production capacity and the need to rapidly and efficiently scale production by using modern technology and processes. The Committee directs the Secretary of the Army to submit an updated Army Ammunition Plant Modernization Plan with the submission of the fiscal year 2025 President's budget request that includes production capacity and scalability along with the current six objectives. Given the scale and severity of infrastructure needs across the facilities, the Committee directs the Secretary to include an analysis of construction or contracting for new, modern facilities as an additional alternative. This analysis shall include cost estimates and proposed schedules.

OTHER PROCUREMENT, ARMY

Budget estimate, 2024	$8,672,979,000
Committee recommendation	8,402,000,000

The Committee recommends an appropriation of $8,402,000,000. This is $270,979,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, ARMY						
	TACTICAL AND SUPPORT VEHICLES						
	TACTICAL VEHICLES						
1	SEMITRAILERS, FLATBED:		22,751		22,751		
2	SEMITRAILERS, TANKERS		40,359		36,486		−3,873
3	HIGH MOBILITY MULTI–PURPOSE WHEELED VEHICLE (HMMWV)		25,904		25,904		
4	GROUND MOBILITY VEHICLES (GMV)		36,223		36,223		
5	ARNG HMMWV MODERNIZATION PROGRAM						
6	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES		839,413		541,334		−298,079
7	TRUCK, DUMP, 20t (CCE)		20,075		35,075		+15,000
8	FAMILY OF MEDIUM TACTICAL VEH (FMTV)		110,734		110,734		
9	FAMILY OF COLD WEATHER ALL–TERRAIN VEHICLE (C)		28,745		28,745		
10	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN		55,340		55,340		
11	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)		66,428		221,428		+155,000
12	PLS ESP		51,868		47,925		−3,943
14	TACTICAL WHEELED VEHICLE PROTECTION KITS		3,792		3,792		
15	MODIFICATION OF IN SVC EQUIP		80,326		127,826		+47,500
	NON–TACTICAL VEHICLES						
16	PASSENGER CARRYING VEHICLES		2,203		2,203		
17	NONTACTICAL VEHICLES, OTHER		8,246		2,984		−5,262
	TOTAL, TACTICAL AND SUPPORT VEHICLES		1,392,407		1,298,750		−93,657
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMM—JOINT COMMUNICATIONS						
18	SIGNAL MODERNIZATION PROGRAM		161,585		161,585		
19	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE		358,646		351,347		−7,299
20	DISASTER INCIDENT RESPONSE COMMS TERMINAL (DI		254		254		
21	JCSE EQUIPMENT (USREDCOM)		5,097		5,097		
	COMM—SATELLITE COMMUNICATIONS						
24	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS		101,181		101,181		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
25	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS		54,849		60,149		+5,300
26	SHF TERM		41,634		41,634		
27	ASSURED POSITIONING, NAVIGATION AND TIMING		202,370		202,370		
28	EHF SATELLITE COMMUNICATION		19,122		15,576		−3,546
29	SMART–T (SPACE)						
30	GLOBAL BRDCST SVC—GBS		531		531		
	COMM—C3 SYSTEM						
31	COE TACTICAL SERVER INFRASTRUCTURE (TSI)		77,999		77,999		
	COMM—COMBAT COMMUNICATIONS						
32	HANDHELD MANPACK SMALL FORM FIT (HMS)		765,109		736,297		−28,812
33	ARMY LINK 16 SYSTEMS		60,767		60,767		
34	TACTICAL COMMUNICATIONS AND PROTECTIVE SYSTEM						
35	UNIFIED COMMAND SUITE		18,999		18,999		
36	COTS COMMUNICATIONS EQUIPMENT		492,001		415,696		−76,305
37	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE		1,374		1,374		
38	ARMY COMMUNICATIONS & ELECTRONICS		52,485		52,485		
	COMM—INTELLIGENCE COMM						
39	CI AUTOMATION ARCHITECTURE (MIP)		16,767		16,767		
41	MULTI–DOMAIN INTELLIGENCE		119,989		100,789		−19,200
	INFORMATION SECURITY						
42	INFORMATION SYSTEM SECURITY PROGRAM–ISSP		701		701		
43	COMMUNICATIONS SECURITY (COMSEC)		159,712		159,712		
44	DEFENSIVE CYBER OPERATIONS		13,848				−13,848
45	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO		1,502				−1,502
47	BIOMETRIC ENABLING CAPABILITY (BEC)		453		453		
48	ARCYBER DEFENSIVE CYBER OPERATIONS						
	COMM—LONG HAUL COMMUNICATIONS						
49	BASE SUPPORT COMMUNICATIONS		23,278		23,278		
	COMM—BASE COMMUNICATIONS						
50	INFORMATION SYSTEMS		32,608		32,608		
51	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM		4,949		4,949		

52	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM		243,011		243,011		
	ELECT EQUIP—TACT INT REL ACT (TIARA)						
55	JTT/CIBS–M (MIP)		8,543		8,543		
56	TERRESTRIAL LAYER SYSTEMS (TLS)		85,486		46,273		−39,213
58	DCGS–A INTEL		2,980		2,980		
59	JOINT TACTICAL GROUND STATION (JTAGS)-INTEL						
60	TROJAN		30,649		30,649		
61	MOD OF IN–SVC EQUIP (INTEL SPT)		4,169		14,169		+10,000
62	BIOMETRIC TACTICAL COLLECTION DEVICES		932		932		
	ELECT EQUIP—ELECTRONIC WARFARE (EW)						
63	EW PLANNING & MANAGEMENT TOOLS (EWPMT)		21,278		21,278		
64	AIR VIGILANCE (AV)		6,641		6,641		
65	MULTI–FUNCTION ELECTRONIC WARFARE (MFEW) SYST		15,941		15,941		
67	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES		22,833		22,833		
68	CI MODERNIZATION		434		434		
	ELECT EQUIP—TACTICAL SURV (TAC SURV)						
69	SENTINEL MODS		161,886		161,886		
70	NIGHT VISION DEVICES		141,143		264,435		+123,292
71	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF		15,484		15,484		
73	FAMILY OF WEAPON SIGHTS (FWS)		185,634		185,634		
74	ENHANCED PORTABLE INDUCTIVE ARTILLERY FUZE SE		3,652		3,652		
75	FORWARD LOOKING INFRARED (IFLIR)		20,438		20,438		
76	COUNTER SMALL UNMANNED AERIAL SYSTEM (C–SUAS)		365,376		296,475		−68,901
77	JOINT BATTLE COMMAND—PLATFORM (JBC–P)		215,290		134,049		−81,241
78	JOINT EFFECTS TARGETING SYSTEM (JETS)		8,932		8,932		
79	COMPUTER BALLISTICS: LHMBC XM32		2,965		1,653		−1,312
80	MORTAR FIRE CONTROL SYSTEM		8,024		8,024		
81	MORTAR FIRE CONTROL SYSTEM MODIFICATIONS		7,399		7,399		
82	COUNTERFIRE RADARS		99,782		73,799		−25,983
	ELECT EQUIP—TACTICAL C2 SYSTEMS						
83	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE		78,512		78,512		
84	FIRE SUPPORT C2 FAMILY		10,052		10,052		
85	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD		68,892		68,892		
86	IAMD BATTLE COMMAND SYSTEM		412,556		346,695		−65,861
87	LIFE CYCLE SOFTWARE SUPPORT (LCSS)		4,270		4,270		
88	NETWORK MANAGEMENT INITIALIZATION AND SERVICE		37,194		37,194		
89	GLOBAL COMBAT SUPPORT SYSTEM–ARMY (GCSS–A)		1,987		1,987		
90	INTEGRATED PERSONNEL AND PAY SYSTEM–ARMY		5,318		5,318		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
91	MOD OF IN–SERVICE EQUIPMENT (ENFIRE)		4,997		4,997		
	ELECT EQUIP—AUTOMATION						
92	ARMY TRAINING MODERNIZATION		10,130		10,130		
93	AUTOMATED DATA PROCESSING EQUIPMENT		61,489		61,489		
94	ACCESSIONS INFORMATION ENVIRONMENT (AIE)		4,198		4,198		
95	GENERAL FUND ENTERPRISE BUSINESS SYSTEM						
96	HIGH PERF COMPUTING MOD PROGRAM		76,053		76,053		
97	CONTRACT WRITING SYSTEM		6,061		6,061		
98	CSS COMMUNICATIONS		56,804		56,804		
	ELECT EQUIP—SUPPORT						
100	BCT EMERGING TECHNOLOGIES						
999	CLASSIFIED PROGRAMS		1,781		1,781		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		5,307,006		5,012,575		−294,431
	OTHER SUPPORT EQUIPMENT						
	CHEMICAL DEFENSIVE EQUIPMENT						
101	FAMILY OF NON–LETHAL EQUIPMENT (FNLE)						
102	BASE DEFENSE SYSTEMS (BDS)		70,781		70,781		
103	CBRN DEFENSE		63,198		50,467		−12,731
	BRIDGING EQUIPMENT						
104	TACTICAL BRIDGING		1,157		1,157		
105	TACTICAL BRIDGE, FLOAT–RIBBON		82,228		82,228		
106	BRIDGE SUPPLEMENTAL SET		4,414		4,414		
107	COMMON BRIDGE TRANSPORTER RECAP						
	ENGINEER (NON–CONSTRUCTION) EQUIPMENT						
108	HANDHELD STANDOFF MINEFIELD DETECTION SYS–HST						
110	ROBOTICS AND APPLIQUE SYSTEMS		68,893		65,118		−3,775
112	FAMILY OF BOATS AND MOTORS		4,785		4,785		

	COMBAT SERVICE SUPPORT EQUIPMENT						
113	HEATERS AND ECU'S		7,617		7,170		−447
115	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)		5,356		5,356		
116	GROUND SOLDIER SYSTEM		167,129		154,262		−12,867
117	MOBILE SOLDIER POWER		15,967		13,284		−2,683
118	FORCE PROVIDER		34,200		65,200		+31,000
120	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM		45,792		39,279		−6,513
121	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS		12,118		12,118		
122	ITEMS LESS THAN $5M (ENG SPT)						
	PETROLEUM EQUIPMENT						
123	QUALITY SURVEILLANCE EQUIPMENT18355		2,507		2,507		
124	DISTRIBUTION SYSTEMS, PETROLEUM & WATER		40,989		40,989		
	MEDICAL EQUIPMENT						
125	COMBAT SUPPORT MEDICAL		86,829		86,829		
	MAINTENANCE EQUIPMENT						
126	MOBILE MAINTENANCE EQUIPMENT SYSTEMS		17,287		137,287		+120,000
	CONSTRUCTION EQUIPMENT						
128	TRACTOR, FULL TRACKED		29,878		29,878		
129	ALL TERRAIN CRANES		27,725		35,725		+8,000
130	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)						
131	FAMILY OF DIVER SUPPORT EQUIPMENT		1,811		1,811		
132	CONST EQUIP ESP		8,898		6,534		−2,364
	RAIL FLOAT CONTAINERIZATION EQUIPMENT						
133	ARMY WATERCRAFT ESP		30,592		30,592		
134	MANEUVER SUPPORT VESSEL (MSV)		149,449		149,449		
135	ITEMS LESS THAN $50M (FLOAT/RAIL)						
	GENERATORS						
136	GENERATORS AND ASSOCIATED EQUIPMENT		78,364		78,364		
137	TACTICAL ELECTRIC POWER RECAPITALIZATION		11,088		11,088		
	MATERIAL HANDLING EQUIPMENT						
138	FAMILY OF FORKLIFTS		12,982		12,982		
	TRAINING EQUIPMENT						
139	COMBAT TRAINING CENTERS SUPPORT		56,619		56,619		
140	TRAINING DEVICES, NONSYSTEM		226,379		226,379		
141	SYNTHETIC TRAINING ENVIRONMENT (STE)		234,965		234,965		
142	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING		9,698		9,698		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TEST MEASURE AND DIG EQUIPMENT (TMD)						
143	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)		36,149		36,149		
144	TEST EQUIPMENT MODERNIZATION (TEMOD)		32,623		32,623		
	OTHER SUPPORT EQUIPMENT						
145	PHYSICAL SECURITY SYSTEMS (OPA3)		132,739		132,739		
146	BASE LEVEL COM'L EQUIPMENT		34,460		34,460		
147	MODIFICATION OF IN–SVC EQUIPMENT (OPA–3)		35,239		53,239		+18,000
148	BUILDING, PRE–FAB, RELOCATABLE		31,011		12,500		−18,511
149	SPECIAL EQUIPMENT FOR TEST AND EVALUATION		52,481		52,481		
	TOTAL, OTHER SUPPORT EQUIPMENT		1,964,397		2,081,506		+117,109
	SPARE AND REPAIR PARTS						
151	INITIAL SPARES—C&E		9,169		9,169		
	TOTAL, OTHER PROCUREMENT, ARMY		8,672,979		8,402,000		−270,979

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
2	Semitrailers, tankers	40,359	36,486	−3,873
	Effort previously funded			−3,873
6	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICL	839,413	541,334	−298,079
	Program decrease: Production phasing			−298,079
7	TRUCK, DUMP, 20T (CCE)	20,075	35,075	+15,000
	Program increase			+15,000
11	Family Of Heavy Tactical Vehicles [FHTV]	66,428	221,428	+155,000
	Program increase			+155,000
12	PLS ESP	51,868	47,925	−3,943
	Contract savings			−3,943
15	Modification Of In Svc Equip	80,326	127,826	+47,500
	Program increase: HMMWV ABS/ESC retrofit kits			+47,500
17	NonTactical Vehicles, Other	8,246	2,984	−5,262
	Prior year underexecution			−6,762
	Program increase: Airfield deicing equipment			+1,500
19	Tactical Network Technology Mod In Svc	358,646	351,347	−7,299
	Effort previously funded			−16,799
	Program increase: SATCOM on the move			+9,500
25	Transportable Tactical Command Communications	54,849	60,149	+5,300
	Program increase: Joint CONUS communications support environment satellite communications upgrade			+5,300
28	EHF SATELLITE COMMUNICATION	19,122	15,576	−3,546
	Contract delays			−3,546
32	Handheld Manpack Small Form Fit [HMS]	765,109	736,297	−28,812
	Unjustified unit cost growth: Manpack radio flyaway cost			−20,045
	Cost overestimation: Manpack radio support costs			−8,767
36	COTS Communications Equipment	492,001	415,696	−76,305
	Phase program growth: Low cost tactical radios			−86,305
	Program increase: High frequency radios			+10,000
41	MULTI–DOMAIN INTELLIGENCE	119,989	100,789	−19,200
	Phase program growth			−19,200
44	Defensive CYBER Operations	13,848		−13,848
	Transfer to RDT&E, Army Line 228 Defensive Cyber Operations			−13,848
45	Insider Threat Program—Unit Activity Monito	1,502		−1,502
	Transfer to RDT&E, Army Line 228 Defensive Cyber Operations			−1,502
56	TERRESTRIAL LAYER SYSTEMS [TLS]	85,486	46,273	−39,213
	Early to need: TLS BCT manpack production			−39,213
61	MOD OF IN–SVC EQUIP (INTEL SPT)	4,169	14,169	+10,000
	Program increase: Prophet enhanced ESP kits			+10,000
70	Night Vision Devices	141,143	264,435	+123,292
	Unjustified request: IVAS 1.0 and 1.1 fielding			−11,024
	Restore acquisition accountability: Government program management costs			−3,284
	Transfer to RDT&E, Army Line 101 Night Vision Development			−22,400
	Program increase: Enhanced Night Vision Google—Binocular (ENVG–B)			+160,000
76	COUNTER SMALL UNMANNED AERIAL SYSTEM [C–SUAS]	365,376	296,475	−68,901
	Unjustified growth: Army operational division			−16,210
	Unjustified growth: Integrated logistics support			−52,691
77	JOINT BATTLE COMMAND—PLATFORM [JBC–P]	215,290	134,049	−81,241
	Acquisition objective met			−81,241
79	Computer Ballistics: LHMBC XM32	2,965	1,653	−1,312
	Prior year underexecution			−1,312
82	Counterfire Radars	99,782	73,799	−25,983
	Contract savings			−25,983

[In thousands of dollars]

Line	Item	2023 budget estimate	Committee recommendation	Change from budget estimate
86	IAMD Battle Command System	412,556	346,695	−65,861
	Unjustified growth: Engineering change proposals			−19,543
	Unjustified request: Component major item			−46,318
103	CBRN Defense	63,198	50,467	−12,731
	Early to need: NBCRV SSU			−12,731
110	Robotics and Applique Systems	68,893	65,118	−3,775
	Effort previously funded			−8,775
	Program increase: Soldier borne sensor			+5,000
113	Heaters and ECU's	7,617	7,170	−447
	Contract savings: Improved environmental control units			−447
116	Ground Soldier System	167,129	154,262	−12,867
	Pricing adjustment: System fielding			−12,867
117	Mobile Soldier Power	15,967	13,284	−2,683
	Quantities previously funded: Universal battery charger			−2,683
118	Force Provider	34,200	65,200	+31,000
	Program increase: Expeditionary base modules—Army National Guard			+5,000
	Program increase: Expeditionary shelter protection system			+26,000
120	Cargo Aerial Del & Personnel Parachute System	45,792	39,279	−6,513
	Early to need: M–Code capabilities			−6,513
126	Mobile Maintenance Equipment Systems	17,287	137,287	+120,000
	Program increase: Next generation HMMWVV shop equipment contact maintenance vehicle			+120,000
129	All Terrain Cranes	27,725	35,725	+8,000
	Program increase: Type I all terrain cranes			+8,000
132	Const Equip ESP	8,898	6,534	−2,364
	Prior year underexecution			−2,364
134	Maneuver Support Vessel [MSV]	149,449	149,449	
	Functional transfer: Two additional vessels			+99,545
	Functional transfer: Cost to complete prior year vessels			+49,904
	Fucntional transfer: Program delays			−149,449
147	Modification Of In-Svc Equipment (OPA–3)	35,239	53,239	+18,000
	Program increase: Rough terrain crane handler service life extension program			+18,000
148	BUILDING, PRE–FAB, RELOCATABLE	31,011	12,500	−18,511
	Excess to need			−18,511

Budget Line Consolidation.—The Committee believes that the consolidation of budget lines, if done transparently and in accordance with existing acquisition best practices, has the potential to save time and resources in the development and review of the defense budget. Therefore the Committee directs the Secretary of the Army, in coordination with the Undersecretary of Defense (Comptroller) and the congressional defense committees, to develop a proposal to reduce and streamline the number of individual budget lines in the "Other Procurement, Army" appropriations account prior to submission of the President's fiscal year 2025 budget request to allow for sufficient congressional review and feedback prior to implementation in the Department of Defense Appropriations Act, 2025.

Joint Light Tactical Vehicle.—The Committee strongly supports the Department of Defense's investments in the Joint Light Tactical Vehicle program [JLTV] and notes that significant supplemental funding appropriated by Congress has been obligated in fiscal year 2023 to procure additional JLTVs beyond what was re-

quested in the fiscal year 2023 and fiscal year 2024 President's budget requests. The Committee is concerned that, in light of additional supplemental appropriations provided and delays attributed to the re-compete of the JLTV contract, the funding requested in the fiscal year 2024 President's budget request is improperly phased. Therefore, the Committee recommends a reduction of $298,079,000 in order to appropriately phase production of JLTVs under the recently awarded follow-on contract.

Family of Medium Tactical Wheeled Vehicles and Family of Heavy Tactical Wheeled Vehicles Budget Exhibits.—The Committee directs the Assistant Secretary of the Army (Financial Management and Comptroller) to submit with the fiscal year 2025 President's budget request itemized breakdowns by platform within the Family of Medium Tactical Wheeled Vehicles and Family of Heavy Tactical Wheeled Vehicles budget lines' P–5 cost analysis and associated procurement budget exhibits.

Weigh-in-Motion Vehicle and Cargo Measurement Technology.—The Committee understands that the Army has been procuring fixed and portable weigh-in-motion systems that rapidly and automatically weigh and measure vehicles and cargo in preparation for transport by aircraft or ships without establishing a program of record. The Committee further understands that these systems transfer weight and measurement data to Army logistics management systems and greatly accelerate deployment times, reduce human error and increase safety. The Committee is encouraged that the Army Combined Arms Support Command is developing requirements to establish a program of record for these capabilities. The Committee encourages the Secretary of the Army to leverage the previous investments including achievement of Authority to Operate on the Army network when establishing a program of record and to properly budget for these systems in the Future Years Defense Program.

Reset of Tactical Vehicles for Ukraine.—The Committee understands that armored security vehicles that were approved for transfer to Ukraine a year ago have yet to complete required equipment reset activities, and that the projected time for reset completion is estimated to take an additional 18 months. Given the urgent need to support and equip the Ukrainian Armed Forces, the Committee expects the Department to expeditiously complete these equipment reset activities. Therefore, the Committee directs the Assistant Secretary of the Army (Acquisition, Logistics and Technology), to provide a briefing to the congressional defense committees, not later than December 15, 2023, on opportunities to accelerate the reset of armored security vehicles for delivery to Ukraine. The briefing shall address acceleration opportunities, including maximizing existing organic and commercial defense industrial base capacity, exercising expeditious contracting approaches consistent with existing authorities, and other matters the Assistant Secretary deems appropriate.

AIRCRAFT PROCUREMENT, NAVY

Budget estimate, 2024	$17,336,760,000
Committee recommendation	18,759,061,000

The Committee recommends an appropriation of $18,759,061,000. This is $1,422,301,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT PROCUREMENT, NAVY						
	COMBAT AIRCRAFT						
1	F/A–18E/F (FIGHTER) HORNET (MYP)	.....	41,329	.....	41,329	.....	.....
2	JOINT STRIKE FIGHTER CV	19	2,410,569	19	2,362,050	.....	−48,519
3	JOINT STRIKE FIGHTER CV (AP–CY)	.....	189,425	.....	189,425	.....	.....
4	JSF STOVL	16	2,126,317	16	2,083,651	.....	−42,666
5	JSF STOVL (AP–CY)	.....	193,125	.....	193,125	.....	.....
6	CH–53K (HEAVY LIFT)	15	1,698,050	15	1,698,050	.....	.....
7	CH–53K (HEAVY LIFT) (AP–CY)	.....	456,567	.....	456,567	.....	.....
8	V–22 (MEDIUM LIFT)	.....	27,216	.....	27,216	.....	.....
9	H–1 UPGRADES (UH–1Y/AH–1Z)	.....	4,292	.....	13,292	.....	+9,000
10	P–8A POSEIDON	.....	31,257	+10	1,831,257	10	+1,800,000
11	E–2D ADV HAWKEYE	.....	182,817	.....	182,817	.....	.....
	TOTAL, COMBAT AIRCRAFT	.....	7,360,964	.....	9,078,779	.....	+1,717,815
	TRAINER AIRCRAFT						
13	MULTI–ENGINE TRAINING SYSTEM (METS)	26	289,141	26	289,141	.....	.....
14	ADVANCED HELICOPTER TRAINING SYSTEM	.....	.....	.....	.....	.....	.....
	TOTAL, TRAINER AIRCRAFT	.....	289,141	.....	289,141	.....	.....
	OTHER AIRCRAFT						
15	KC–130J	2	241,291	3	360,091	+1	+118,800
16	KC–130J (AP–CY)	.....	.....	.....	.....	.....	.....
17	MQ–4 TRITON	2	416,010	2	416,010	.....	.....
18	MQ–4 TRITON (AP–CY)	.....	.....	.....	.....	.....	.....
19	MQ–8 UAV	.....	1,546	.....	1,546	.....	.....
20	STUASL0 UAV	.....	.....	.....	.....	.....	.....
21	MQ–25	3	545,697	.....	.....	−3	−545,697
22	MQ–25 (AP–CY)	.....	50,576	.....	25,576	.....	−25,000
23	MARINE GROUP 5 UAS	5	89,563	5	86,063	.....	−3,500

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
23A	UC–12W(ER)			3	57,053	+3	+57,053
	TOTAL, OTHER AIRCRAFT		1,344,683		946,339		−398,344
	MODIFICATION OF AIRCRAFT						
24	F–18 A–D UNIQUE		116,551		116,551		
25	F–18E/F AND EA–18G MODERNIZATION AND SUSTAIN		605,416		605,416		
26	MARINE GROUP 5 UAS SERIES		98,063		90,613		−7,450
27	AEA SYSTEMS		24,110		24,110		
28	AV–8 SERIES		22,829		20,829		−2,000
29	INFRARED SEARCH AND TRACK (IRST)		179,193		179,193		
30	ADVERSARY		69,336		69,336		
31	F–18 SERIES		640,236		632,273		−7,963
32	H–53 SERIES		41,414		41,414		
33	MH–60 SERIES		106,495		104,233		−2,262
34	H–1 SERIES		114,284		114,284		
35	EP–3 SERIES		8,548		8,548		
36	E–2 SERIES		183,246		173,735		−9,511
37	TRAINER A/C SERIES		16,376		16,376		
39	C–130 SERIES		198,220		184,398		−13,822
40	FEWSG		651		651		
41	CARGO/TRANSPORT A/C SERIES		13,930		13,930		
42	E–6 SERIES		164,571		172,012		+7,441
43	EXECUTIVE HELICOPTERS SERIES		60,498		60,498		
44	T–45 SERIES		170,357		170,357		
45	POWER PLANT CHANGES		21,079		21,079		
46	JPATS SERIES		28,005		28,005		
47	AVIATION LIFE SUPPORT MODS						
48	COMMON ECM EQUIPMENT		53,614		53,614		
49	COMMON AVIONICS CHANGES		136,199		136,199		
50	COMMON DEFENSIVE WEAPON SYSTEM		6,585		13,585		+7,000
51	ID SYSTEMS		13,085		13,085		
52	P–8 SERIES		316,168		316,168		

53	MAGTF EW FOR AVIATION		24,901		24,901		
54	MQ–8 SERIES		14,700		14,700		
55	V–22 (TILT/ROTOR ACFT) OSPREY		215,997		215,997		
56	NEXT GENERATION JAMMER (NGJ)		426,396		423,876		−2,520
57	F–35 STOVL SERIES		311,921		259,412		−52,509
58	F–35 CV SERIES		166,909		126,909		−40,000
59	QUICK REACTION CAPABILITY (QRC)		28,206		28,206		
60	MQ–4 SERIES		93,951		88,271		−5,680
61	RQ–21 SERIES						
	TOTAL, MODIFICATION OF AIRCRAFT		4,692,040		4,562,764		−129,276
	AIRCRAFT SPARES AND REPAIR PARTS						
62	SPARES AND REPAIR PARTS		2,451,244		2,703,244		+252,000
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
63	COMMON GROUND EQUIPMENT		566,156		565,590		−566
64	AIRCRAFT INDUSTRIAL FACILITIES		133,815		133,815		
65	WAR CONSUMABLES		44,632		44,632		
66	OTHER PRODUCTION CHARGES		49,907		49,907		
67	SPECIAL SUPPORT EQUIPMENT		404,178		384,850		−19,328
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES		1,198,688		1,178,794		−19,894
	TOTAL, AIRCRAFT PROCUREMENT, NAVY		17,336,760		18,759,061		+1,422,301

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
2	Joint Strike Fighter CV	2,410,569	2,362,050	−48,519
	Excess to need: AME			−16,360
	Excess to need: NRE			−32,159
4	JSF STOVL	2,126,317	2,083,651	−42,666
	Excess to need: AME			−15,646
	Excess to need: NRE			−27,020
9	H–1 Upgrades (UH–1Y/AH–1Z)	4,292	13,292	+9,000
	Program increase: Structural improvements and electrical power upgrade			+9,000
10	P–8A Poseidon	31,257	1,831,257	+1,800,000
	Program increase: Ten additional aircraft			+1,800,000
15	KC–130J	241,291	360,091	+118,800
	Program increase: Navy Unique Fleet Essential Airlift Logistics KC–130J (+1 A/C Reserve)			+118,800
21	MQ–25	545,697		−545,697
	Transfer funds to RDT&E,N line 164 from APN line 21 in support of two SDTA aircraft due to MS C delays			−75,187
	Ahead of need			−470,510
22	MQ–25	50,576	25,576	−25,000
	AP early to need			−25,000
23	Marine Group 5 UAS	89,563	86,063	−3,500
	Ancillary Equipment carryover			−3,500
23A	UC–12W(ER)		57,053	+57,053
	Program increase: Unfunded requirement for 3 UC–12W(ER) with Cargo Door and Initial Spares			+57,053
26	Marine Group 5 UAS Series	98,063	90,613	−7,450
	Insufficient justification			−7,450
28	AV–8 Series	22,829	20,829	−2,000
	Historical underexecution			−2,000
31	F–18 Series	640,236	632,273	−7,963
	ECP–6506 CPOMS Improvements installs ahead of need			−1,573
	ECP–6486 SATCOM E/F installs previously funded			−2,428
	ECP–6486 SATCOM G installs previously funded			−3,962
33	MH–60 Series	106,495	104,233	−2,262
	MH–60R/S Obsolescence excess to need			−2,262
36	E–2 Series	183,246	173,735	−9,511
	Radio Obsolescence mitigation kits ahead of need			−4,921
	Installs ahead of need			−4,590
39	C–130 Series	198,220	184,398	−13,822
	STAR–XIII Mission Computer early to need			−7,822
	OSIP 019–14 GFE excess to need			−6,000
42	E–6 Series	164,571	172,012	+7,441
	Program increase: Capability improvements			+7,441
50	Common Defensive Weapon System	6,585	13,585	+7,000
	Program increase: Aviation infrared laser aiming device			+7,000
56	Next Generation Jammer [NGJ]	426,396	423,876	−2,520
	Contract savings			−2,520
57	F–35 STOVL Series	311,921	259,412	−52,509
	Early to need: Lot 19 modifications			−52,509
58	F–35 CV Series	166,909	126,909	−40,000
	Early to need: Lot 19 modifications			−40,000
60	MQ–4 Series	93,951	88,271	−5,680
	OSIP 003–23 installation ahead of need			−5,680
62	Spares and Repair Parts	2,451,244	2,703,244	+252,000
	Program increase: F–35B/C engine spares			+132,000
	Program increase			+120,000
63	Common Ground Equipment	566,156	565,590	−566

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Unit cost growth			−566
67	Special Support Equipment	404,178	384,850	−19,328
	Classified adjustment			−19,328

WEAPONS PROCUREMENT, NAVY

Budget estimate, 2024 ..... $6,876,385,000
Committee recommendation 6,124,220,000

The Committee recommends an appropriation of $6,124,220,000. This is $752,165,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	WEAPONS PROCUREMENT, NAVY						
	BALLISTIC MISSILES						
1	CONVENTIONAL PROMPT STRIKE	8	341,434			−8	−341,434
	MODIFICATION OF MISSILES						
2	TRIDENT II MODS		1,284,705		1,284,705		
	SUPPORT EQUIPMENT AND FACILITIES						
3	MISSILE INDUSTRIAL FACILITIES		7,954		7,954		
	TOTAL, BALLISTIC MISSILES		1,634,093		1,292,659		−341,434
	OTHER MISSILES						
	STRATEGIC MISSILES						
4	TOMAHAWK		72,908		77,908		+5,000
	TACTICAL MISSILES						
5	AMRAAM	374	439,153	374	439,153		
6	SIDEWINDER	147	78,165	147	72,688		−5,477
7	STANDARD MISSILE	125	969,525	97	683,026	−28	−286,499
8	STANDARD MISSILE (AP–CY)		227,320		227,320		
9	SMALL DIAMETER BOMB II	250	65,863	250	63,035		−2,828
10	RAM	120	114,896	120	114,896		
11	JOINT AIR GROUND MISSILE (JAGM)	264	79,292	264	79,292		
12	HELLFIRE	40	6,923	40	6,923		
13	AERIAL TARGETS		176,588		176,588		
14	OTHER MISSILE SUPPORT		3,687		3,687		
15	LRASM	91	639,636	91	599,636		−40,000
16	NAVAL STRIKE MISSILE (NSM)	13	29,925	13	29,925		
17	NAVAL STRIKE MISSILE (NSM)		5,755		5,755		
	MODIFICATION OF MISSILES						
18	TOMAHAWK MODS		540,944		437,424		−103,520
19	ESSM	136	290,129	136	290,129		
20	AARGM	83	162,429	86	167,429	+3	+5,000

21	AARGM–ER (AP–CY)		33,273		33,273		
22	STANDARD MISSILES MODS		89,255		89,255		
	SUPPORT EQUIPMENT AND FACILITIES						
23	WEAPONS INDUSTRIAL FACILITIES		2,037		21,037		+19,000
24	INDUSTRIAL PREPAREDNESS						
	ORDNANCE SUPPORT EQUIPMENT						
25	ORDNANCE SUPPORT EQUIPMENT		208,154		146,747		−61,407
	TOTAL, OTHER MISSILES		4,235,857		3,765,126		−470,731
	TORPEDOES AND RELATED EQUIPMENT						
26	SSTD		4,830		4,830		
27	MK–48 TORPEDO	78	308,497	78	308,497		
28	ASW TARGETS		14,817		24,817		+10,000
	MOD OF TORPEDOES AND RELATED EQUIP						
29	MK–54 TORPEDO MODS		104,086		104,086		
30	MK–48 TORPEDO ADCAP MODS		20,714		20,714		
31	MARITIME MINES		58,800		58,800		
	SUPPORT EQUIPMENT						
32	TORPEDO SUPPORT EQUIPMENT		133,187		133,187		
33	ASW RANGE SUPPORT		4,146		4,146		
	DESTINATION TRANSPORTATION						
34	FIRST DESTINATION TRANSPORTATION		5,811		5,811		
	TOTAL, TORPEDOES AND RELATED EQUIPMENT		654,888		664,888		+10,000
	OTHER WEAPONS						
	GUNS AND GUN MOUNTS						
35	SMALL ARMS AND WEAPONS		14,165		14,165		
	MODIFICATION OF GUNS AND GUN MOUNTS						
36	CIWS MODS		4,088		4,088		
37	COAST GUARD WEAPONS		55,172		55,172		
38	GUN MOUNT MODS		82,682		82,682		
39	LCS MODULE WEAPONS	30	3,264	30	3,264		
40	AIRBORNE MINE NEUTRALIZATION SYSTEMS		14,357		14,357		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, OTHER WEAPONS	.....	173,728	.....	173,728	.....	.....
42	SPARES AND REPAIR PARTS	.....	177,819	.....	227,819	.....	+50,000
	TOTAL, WEAPONS PROCUREMENT, NAVY	.....	6,876,385	.....	6,124,220	.....	−752,165

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Conventional Prompt Strike	341,434		−341,434
	Early to need: Procurement support costs			−33,290
	Early to need: TI–22 AUR + C			−192,589
	Transfer to RDT&E,N line 97			−115,555
4	Tomahawk	72,908	77,908	+5,000
	Program increase: Tomahawk supply chain			+5,000
6	Sidewinder	78,165	72,688	−5,477
	Unit cost growth: AUR Block II			−5,477
7	Standard Missile	969,525	683,026	−286,499
	Block IB AURs development delays			−85,408
	Block IB canisters development delays			−12,629
	Block IA AURs excess to capacity			−75,862
	Production start up early to need			−100,000
	Navy-requested transfer to RDT&E,N line 125 for electronics unit obsolescence			−12,600
9	Small Diameter Bomb II	65,863	63,035	−2,828
	Unit cost growth: AUR			−2,828
15	LRASM	639,636	599,636	−40,000
	Navy-requested transfer to RDT&E,N line 92 for LRASM C–3			−40,000
18	Tomahawk Mods	540,944	437,424	−103,520
	NAVCOMM A kits excess growth			−28,620
	Classified adjustment			−74,900
20	AARGM–ER	162,429	167,429	+5,000
	Program increase: Additional AURs			+5,000
23	Weapons Industrial Facilities	2,037	21,037	+19,000
	Program increase: Energetics capacity for solid rocket motors			+19,000
25	Ordnance Support Equipment	208,154	146,747	−61,407
	Classified adjustment			−61,407
28	ASW Targets	14,817	24,817	+10,000
	Program increase: Alternative ASW training target			+10,000
42	Spares and Repair Parts	177,819	227,819	+50,000
	Program increase: Spares and repair parts			+50,000

Conventional Prompt Strike.—The fiscal year 2024 President's budget request for the Conventional Prompt Strike weapon system includes $341,434,000 in Weapons Procurement, Navy [WP,N] for lot 1 low-rate initial production [LRIP] of eight all-up rounds [AUR]. Additionally, $901,064,000 is requested in the Research, Development, Test and Evaluation, Navy [RDT&E,N] appropriations account to continue flight testing under the Middle Tier of Acquisition pathway to procure two AURs. The Committee strongly supports the Navy's plans to field this hypersonic, cold-gas launched missile system on Zumwalt class destroyers and fast attack submarines.

The Committee notes, however, that an additional test is required, at a cost of $50,000,000 and an approximately six-month delay, due to technical issues that occurred during the second Joint Flight Campaign test shot. The Committee further notes that the current program schedule will not demonstrate the Navy-specific configuration of the weapon system through a cold-gas launch and flight until the fourth quarter of fiscal year 2024. In light of these developments, the Committee recommends the transfer of

$115,555,000 from WP,N to RDT&E,N for the purchase of 3 AURs for use on Zumwalt class destroyer deployments. This is in addition to the three AURs funded for the first deployment in fiscal year 2023 RDT&E,N. The Committee notes that absent additional test delays, LRIP will commence in fiscal year 2025. The Committee's recommendation supports the planned CPS deployment on a Zumwalt class destroyer in the fourth quarter of fiscal year 2025, and permits additional rounds to be included on that deployment contingent on the Navy's adjusted test schedule.

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

Budget estimate, 2024	$1,293,273,000
Committee recommendation	1,187,912,000

The Committee recommends an appropriation of $1,187,912,000. This is $105,361,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS						
	PROC AMMO, NAVY						
	NAVY AMMUNITION						
1	GENERAL PURPOSE BOMBS		43,519		35,159		−8,360
2	JDAM	1464	73,689	1,464	73,689		
3	AIRBORNE ROCKETS, ALL TYPES		67,423		47,805		−19,618
4	MACHINE GUN AMMUNITION		11,862		11,862		
5	PRACTICE BOMBS		52,481		44,524		−7,957
6	CARTRIDGES & CART ACTUATED DEVICES		72,426		72,426		
7	AIR EXPENDABLE COUNTERMEASURES		104,529		104,529		
8	JATOS		7,433		7,433		
9	5 INCH/54 GUN AMMUNITION		30,871		10,871		−20,000
10	INTERMEDIATE CALIBER GUN AMMUNITION		41,261		27,870		−13,391
11	OTHER SHIP GUN AMMUNITION		44,044		39,595		−4,449
12	SMALL ARMS & LANDING PARTY AMMO		48,478		48,478		
13	PYROTECHNIC AND DEMOLITION		9,521		9,498		−23
14	AMMUNITION LESS THAN $5 MILLION		1,679		1,679		
15	EXPEDITIONARY LOITERING MUNITIONS		249,575		249,575		
	TOTAL, PROC AMMO, NAVY		858,791		784,993		−73,798
	PROC AMMO, MARINE CORPS						
16	MORTARS		61,274		61,274		
17	DIRECT SUPPORT MUNITIONS		73,338		53,898		−19,440
18	INFANTRY WEAPONS AMMUNITION		178,240		174,237		−4,003
19	COMBAT SUPPORT MUNITIONS		15,897		11,133		−4,764
20	AMMO MODERNIZATION		17,941		17,941		
21	ARTILLERY MUNITIONS		82,452		79,096		−3,356
22	ITEMS LESS THAN $5 MILLION		5,340		5,340		
	TOTAL, PROC AMMO, MARINE CORPS		434,482		402,919		−31,563

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	.....	1,293,273	.....	1,187,912	.....	−105,361

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	General Purpose Bombs	43,519	35,159	−8,360
	Unjustified growth			−8,360
3	Airborne Rockets, All Types	67,423	47,805	−19,618
	Excess unit cost growth: MK66 rocket motor			−19,197
	Excess unit cost growth: Smokey Sam			−421
5	Practice Bombs	52,481	44,524	−7,957
	Unjustified growth			−7,957
9	5 Inch/54 Gun Ammunition	30,871	10,871	−20,000
	Insufficient justification			−20,000
10	Intermediate Caliber Gun Ammunition	41,261	27,870	−13,391
	Unjustified growth			−13,391
11	Other Ship Gun Ammunition	44,044	39,595	−4,449
	Unjustified growth			−4,449
13	Pyrotechnic and Demolition	9,521	9,498	−23
	Unjustified unit cost increase: Sig Kit MK 189, MOD 0			−23
17	Direct Support Munitions	73,338	53,898	−19,440
	Excess to need: 7.62mm training round			−435
	Excess to need: Cartridge, 30mm 1 HEI–T MK266 / 1 MPLD–T MK264 linked			−4,619
	Excess to need: Cartridge, 30mm APFSDS–T MK258 Mod 1 linked			−3,160
	Excess to need: 20mm training round			−994
	Excess to need: 84mm TPT (700)			−693
	Unjustified unit cost growth: 84mm anti structure			−5,954
	Excess to need: Rocket 21mm training			−3,585
18	Infantry Weapons Ammunition	178,240	174,237	−4,003
	Excess to need: Cartridge, 7.62mm ball M80 linked			−1,543
	Excess to need: Cartridge, 9mm ball M882			−225
	Excess to need: Cartridge, caliber .50 4 API M8/1 API–T M20 linked			−157
	Excess to need: Cartridge, 25mm TPDS–T M910 linked			−4,581
	Excess to need: Cartridge, 5.56mm short range training M862			−380
	Excess to need: Cartridge, 9mm blank single round			−118
	Excess to need: Cartridge, Caliber .50 Linked MK322 Mod 1/Ball (1000m cap)			−1,226
	Excess to need: M1041 9mm marking, blue			−95
	Excess to need: M1041 9mm marking, red			−90
	Excess to need: Cartridge, 5.56mm M1042 practice ammunition rifle (blue)			−981
	Excess to need: Cartridge, 5.56mm M1042 practice ammunition rifle (red)			−981
	Excess to need: Cartridge, 30mm x 113mm target practice			−626
	Program increase: Ctg, 40mm, Day/Night marker M1110			+7,000
19	Combat Support Munitions	15,897	11,133	−4,764
	Excess to need: GG20 Grenade, Hand Diversionary MK13 MOD			−894
	Excess to need: G963 Grenade, Hand Riot CS M7A3			−307
	Excess to need: DWDN lightweight disposable disruptor			−467
	Excess to need: Ground burst projectile simulator M115A2			−3,096
21	Artillery Munitions	82,452	79,096	−3,356
	M795 metal parts unjustified cost growth			−3,356

SHIPBUILDING AND CONVERSION, NAVY

Budget estimate, 2024	$32,848,950,000
Committee recommendation	33,250,631,000

The Committee recommends an appropriation of $33,250,631,000. This is $401,681,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	SHIPBUILDING & CONVERSION, NAVY						
	FLEET BALLISTIC MISSILE SHIPS						
1	COLUMBIA CLASS SUBMARINE		2,443,598		2,443,598		
2	COLUMBIA CLASS SUBMARINE (AP–CY)		3,390,734		3,390,734		
	TOTAL, FLEET BALLISTIC MISSILE SHIPS		5,834,332		5,834,332		
	OTHER WARSHIPS						
3	CARRIER REPLACEMENT PROGRAM (CVN 80)		1,115,296		1,115,296		
4	CARRIER REPLACEMENT PROGRAM (CVN 81)		800,492		800,492		
5	VIRGINIA CLASS SUBMARINE	2	7,129,965	2	7,129,965		
6	VIRGINIA CLASS SUBMARINE (AP–CY)		3,215,539		3,158,782		−56,757
7	CVN REFUELING OVERHAUL						
8	CVN REFUELING OVERHAULS (AP–CY)		817,646		488,446		−329,200
9	DDG 1000		410,400		410,400		
10	DDG–51	2	4,199,179	2	4,499,179		+300,000
11	DDG–51 (AP–CY)		284,035		1,641,335		+1,357,300
12	LITTORAL COMBAT SHIP						
13	FFG–FRIGATE	2	2,173,698	2	2,223,698		+50,000
	TOTAL, OTHER WARSHIPS		20,146,250		21,467,593		+1,321,343
	AMPHIBIOUS SHIPS						
14	LPD FLIGHT II						
15	LPD FLIGHT II (AP–CY)				500,000		+500,000
16	LPD–17						
18	LHA REPLACEMENT		1,830,149		1,830,149		
19	LHA REPLACEMENT (AP–CY)						
20	EXPEDITIONARY FAST TRANSPORT (EPF)						
	TOTAL, AMPHIBIOUS SHIPS		1,830,149		2,330,149		+500,000

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AUXILIARIES, CRAFT, AND PRIOR–YEAR PROGRAM COSTS						
21	AS SUBMARINE TENDER		1,733,234				−1,733,234
22	TAO FLEET OILER	1	815,420	1	815,420		
23	TAGOS Surtass Ships				513,466		+513,466
24	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	1		1			
25	LCU 1700		62,532		62,532		
26	OUTFITTING		557,365		513,937		−43,428
27	SHIP TO SHORE CONNECTOR	2				−2	
28	SERVICE CRAFT		63,815	1	93,815	+1	+30,000
29A	AUXILIARY PERSONNEL LIGHTER (APL)			1	72,000	+1	+72,000
30	LCAC SLEP	2	15,286	2	15,286		
31	AUXILIARY VESSELS	2	142,008	2	142,008		
32	COMPLETION OF PY SHIPBUILDING PROGRAMS		1,648,559		1,390,093		−258,466
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR–YEAR PROGRAM		5,038,219		3,618,557		−1,419,662
	TOTAL, SHIPBUILDING & CONVERSION, NAVY		32,848,950		33,250,631		+401,681

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
2	Columbia Class Submarine [AP–CY]	3,390,734	3,390,734	
	SSBN 828 AP (FF FY26)	[949,654]	[949,654]	
	SSBN 829 AP (FF FY27)	[1,299,280]	[1,299,280]	
	SSBN 830 AP (FF FY28)	[306,938]	[306,938]	
	SSBN 831 AP (FF FY29)	[134,009]	[134,009]	
	SSBN 832 AP (FF FY30)	[110,841]	[110,841]	
	SSBN 833 AP (FF FY31)	[7,953]	[7,953]	
	SSBN 834 AP (FF FY32)	[2,708]	[2,708]	
	SSBN 835 AP (FF FY33)	[4,930]	[4,930]	
	SSBN 836 AP (FF FY34)	[4,930]	[4,930]	
	SSBN 837 AP (FF FY35)	[569,491]	[569,491]	
6	Virginia Class Submarine [AP–CY]	3,215,539	3,158,782	−56,757
	Long Lead Time CFE Two Year AP prior year execution delays			−56,757
8	CVN Refueling Overhauls [AP–CY]	817,646	488,446	−329,200
	CVN 75 RCOH prior year execution delays			−329,200
10	DDG–51	4,199,179	4,499,179	+300,000
	Program increase: Large surface combatant shipyard infrastructure			+300,000
11	DDG–51 [AP–CY]	284,035	1,641,335	+1,357,300
	Program increase: Advance procurement for additional FY25 DDG 51			+1,280,000
	Realignment of fiscal year 2023 funds for advance procurement of additional FY25 DDG 51			+77,300
13	FFG–Frigate	2,173,698	2,223,698	+50,000
	Program increase: Frigate industrial base and workforce development			+50,000
15	LPD Flight II [AP–CY]		+500,000	+500,000
	Program increase: Advance procurement of LPD 33			+250,000
	Realignment of fiscal year 2023 funds for advance procurement of LPD 33			+250,000
21	A(S) Submarine Tender	1,733,234		−1,733,234
	Program adjustment			−1,718,234
	Transfer to RDN, line 45, for AS(X) design			−15,000
23	TAGOS Surtass Ships			+513,466
	Transfer from line 32: T–AGOS			+355,166
	Realignment of fiscal year 2022 funds for full funding of T–AGOS construction			+158,300
26	Outfitting	557,365	513,937	−43,428
	CVN 80 outfitting early to need			−4,096
	CVN 74 RCOH outfitting excess growth			−17,862
	DDG 129 outfitting early to need			−11,670
	EPF 16 outfitting early to need			−3,822
	T–AGS outfitting early to need			−5,978
28	Service Craft	63,815	93,815	+30,000
	Program increase: Additional YRBM			+30,000
29	Auxiliary Personnel Lighter		+72,000	+72,000
	Program increase: Additional APL			+72,000
32	Completion of PY Shipbuilding Programs	1,648,559	1,390,093	−258,466
	Transfer to line 23: T–AGOS			−355,166
	FY 2022 T–ATS CTC early to need			−3,300
	Program increase: FY 2021 DDG 51s SEWIP Block III			+100,000

Managing Navy Shipbuilding Programs.—The fiscal year 2024 President's budget request includes $1,648,559,000 to address fiscal year 2024 cost overruns on 17 previously fully funded ships, and the Committee understands that additional funds will be required in future years to pay for additional cost overruns. The Committee

notes that increased prices of certain commodities, such as steel, as well as the growing cost of labor contribute substantially to these increased construction costs. The Committee further notes, however, that additional factors contribute to these liabilities, including changes to requirements, subsystem immaturity, and the failure to accurately estimate the full costs of shipbuilding programs. The Committee is concerned that failure to properly understand and budget for the costs of ships impacts the Navy's ability to procure and sustain the force structure it requires, and negatively impacts the stability of the shipbuilding industrial base, its suppliers and workforce.

For instance, the Committee notes that in fiscal year 2022, the Navy requested and received appropriations to procure the first of seven new T–AGOS Class ocean surveillance ships. However, the Navy significantly underestimated the requirements and costs of those ships, resulting in the cost for the lead ship to increase by more than 80 percent. Given the criticality of this platform, the Committee recommends fully funding the lead ship and encourages the Navy and the industrial base to better manage costs for additional ships of this class planned to be procured. Similarly, in this year's budget request, the Navy included funds for Auxiliary Personnel Lighter [APL] berthing ships, but did not fully budget for the costs of these ships in the future years. The Committee recommends procurement of an additional APL to stabilize the industrial base and reduce costs of future ships. Further, the Committee notes that the Navy removed two T–AO Fleet Replenishment Oilers from its shipbuilding program despite congressional authority to award these ships en bloc and reduce costs. Finally, the Navy proposes to accelerate a new program for a submarine tender, yet it has failed to fully budget for the costs of these two ships, thereby creating future budget shortfalls.

The Committee is well aware of the many factors that affect the acquisition and budgeting of ships, and points to those past Navy budgeting and acquisition best practices that have resulted in reducing costs and stabilizing the industrial base. The Committee believes the Navy would be well-served to rededicate itself to implementing and enforcing these practices. Further, the Committee believes such actions are necessary to re-introduce stability and predictability to Navy shipbuilding programs and budgets, and that the Secretary of Navy, through the Assistant Secretary of the Navy (Research, Development and Acquisition) should manage the Navy's and Marine Corps' shipbuilding programs based on their identified force structure needs.

Stability in Navy Shipbuilding.—The Committee notes that the fiscal year 2024 Navy shipbuilding plan projects a decline in fleet size from 299 ships in July 2023 to 290 ships in fiscal year 2030. However, the Chief of Naval Operations recently increased the Navy's fleet size requirement from 373 ships to 381 ships. The Committee believes that Navy leaders must make a concerted effort to manage existing Navy shipbuilding production lines to ensure they are sustained, modified, or expanded to meet evolving Navy requirements in a manner that promotes shipbuilder, supplier, and workforce stability, and reverses the growing gap between the Navy's fleet requirements and the size of the fleet.

Accordingly, the Committee recommends adding advance procurement funding for an amphibious ship, LPD–33, to continue SAN ANTONIO class production and advance procurement funding for a third fiscal year 2025 DDG–51 pursuant to the multi-year procurement authority for up to 15 DDG–51s provided in section 8010 of the Defense Appropriations Act, 2023. Additionally, the Committee supports initiatives to improve the quality-of-life for Navy sailors serving in shipyards through recommendations to fund one additional Auxiliary Personnel Lighter and one additional Repair, Berthing and Messing Barge [YRBM], as well as supporting the request for multi-use and parking facilities at two shipbuilders.

Submarine Construction Performance.—The Committee continues to be concerned by VIRGINIA Class Submarine [VCS] construction cost and schedule performance which impact not only the construction and delivery to the fleet of VCS, but also affect the COLUMBIA Class Submarine [COL] construction schedule. The Committee notes that the fiscal year 2024 President's budget request includes funds for cost overruns of VCSs procured in fiscal years 2015, 2016, and 2017, and that cost overruns on additional ongoing new VCS construction programs are expected to exceed $3,000,000,000 in future years. The Secretary of the Navy is directed to submit to the congressional defense committees the most current cost and schedule estimates, by VCS and COL, with the submission of each annual President's budget request until delivery of the twelfth and final COLUMBIA hull. The report shall identify changes from the previous year, and include detailed explanations for all submarines not fully resourced to the Navy's cost estimate, as well as all projected cost-to-complete requirements for previously appropriated submarines.

Domestic Source Content for Navy Shipbuilding Critical Components.—The Committee remains concerned with the fragility of the domestic shipbuilding supply base and notes the report on "Domestic Source Content for Navy Shipbuilding" submitted to the congressional defense committees in accordance with direction accompanying the Department of Defense Appropriations Act, 2023. Given the long-term impact of shipbuilding programs, the Committee believes that understanding and managing the domestic supply base is critical. Therefore, the Committee directs the Assistant Secretary of the Navy (Research, Development and Acquisition) to submit to the congressional defense committees, concurrent with submission of the fiscal year 2025 President's budget request, a plan to incorporate upfront domestic sourcing requirements for key materials, components and subsystems into current and future acquisition strategies for shipbuilding programs. Further, the report shall identify a supply chain strategy that identifies existing horizontal and vertical gaps and redundancies in the domestic industrial base to support such acquisition strategies, and efforts by the Navy to ensure the domestic industrial base and supply chain can address domestic source content of Navy shipbuilding requirements. Finally, to the extent the Assistant Secretary of the Navy (Research, Development and Acquisition) plans to prioritize foreign content over domestic content, the Assistant Secretary is directed to provide the statutory basis for doing so, include a detailed risk

assessment of such a strategy, as well as to provide the cost estimate of growing a commensurate domestic capability. Such report shall be delivered in unclassified format and may contain a classified annex.

Hiring and retention of Navy shipbuilding trades workforce.—The Committee recognizes that the Navy shipbuilding industrial base is comprised of no fewer than three elements: facilities, suppliers, and workforce. Each of these elements is critical to building ships on cost and schedule and increasing the size of the Navy's fleet. With respect to workforce, the Committee notes the significant challenges in hiring and retaining the needed trades workforce [e.g. welders, electricians, pipefitters, and other] to meet Navy shipbuilding demands, and further notes an overall workforce participation decline over the last two decades. Therefore, the Committee directs the Comptroller General to submit a report to the congressional defense committees not later than 120 days after the enactment of this act on key factors affecting hiring and retention of the Navy shipbuilding trades workforce. This report shall include an identification of such key factors, an assessment of the relative significance of such key factors, the extent to which a wage gap is impacting hiring and retention of such workforce, and recommendations for Navy and congressional action to improve the hiring and retention of such workforce.

Australia-United Kingdom-United States Trilateral Partnership Agreement.—The Committee supports the Australia-United Kingdom-United States Trilateral Partnership Agreement, which will strengthen allied presence and deterrence in the Indo-Pacific. Not later than 90 days after the enactment of this act, the Secretary of Defense shall submit a long-term plan to the congressional defense committees on the planned schedule, milestones, costs, and funding requirements for the transfer of Virginia Class submarines from the United States and to meet the U.S. Navy's requirement for attack submarines. This plan shall include funding requirements and plans for U.S. and partner investments in the U.S. submarine industrial base.

OTHER PROCUREMENT, NAVY

Budget estimate, 2024	$14,535,257,000
Committee recommendation	14,711,311,000

The Committee recommends an appropriation of $14,711,311,000. This is $176,054,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, NAVY						
	SHIPS SUPPORT EQUIPMENT						
	SHIP PROPULSION EQUIPMENT						
1	SURFACE POWER EQUIPMENT		14,003		14,003		
	GENERATORS						
2	SURFACE COMBATANT HM&E		105,441		100,100		−5,341
	NAVIGATION EQUIPMENT						
3	OTHER NAVIGATION EQUIPMENT		110,286		105,245		−5,041
	OTHER SHIPBOARD EQUIPMENT						
4	SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT PROGRAM		262,951		262,951		
5	DDG MOD		628,532		637,532		+9,000
6	FIREFIGHTING EQUIPMENT		34,782		34,782		
7	COMMAND AND CONTROL SWITCHBOARD		2,458		2,458		
8	LHA/LHD MIDLIFE		104,369		102,403		−1,966
9	LCC 19/20 EXTENDED SERVICE LIFE PROGRAM		10,529		10,529		
10	POLLUTION CONTROL EQUIPMENT		23,272		23,272		
11	SUBMARINE SUPPORT EQUIPMENT		112,526		112,526		
12	VIRGINIA CLASS SUPPORT EQUIPMENT		32,076		32,076		
13	LCS CLASS SUPPORT EQUIPMENT		18,832		18,832		
14	SUBMARINE BATTERIES		28,221		28,221		
15	LPD CLASS SUPPORT EQUIPMENT		91,890		85,150		−6,740
16	DDG–1000 SUPPORT EQUIPMENT		232,124		294,024		+61,900
17	STRATEGIC PLATFORM SUPPORT EQUIP		25,058		25,058		
18	DSSP EQUIPMENT		4,623		4,623		
19	CRUISER MODERNIZATION						
20	LCAC		10,794		10,794		
21	UNDERWATER EOD PROGRAMS		19,549		19,549		
22	ITEMS LESS THAN $5 MILLION		86,001		86,001		
23	CHEMICAL WARFARE DETECTORS		3,288		3,288		
	REACTOR PLANT EQUIPMENT						
24	SHIP MAINTENANCE, REPAIR AND MODERNIZATION		2,746,313		2,746,313		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
25	REACTOR POWER UNITS	.....	2,016	.....	2,016	.....	.....
26	REACTOR COMPONENTS	.....	390,148	.....	390,148	.....	.....
	OCEAN ENGINEERING						
27	DIVING AND SALVAGE EQUIPMENT	.....	18,086	.....	18,086	.....	.....
	SMALL BOATS						
28	STANDARD BOATS	.....	74,963	.....	83,963	.....	+9,000
	PRODUCTION FACILITIES EQUIPMENT						
29	OPERATING FORCES IPE	.....	187,495	.....	207,495	.....	+20,000
	OTHER SHIP SUPPORT						
30	LCS COMMON MISSION MODULES EQUIPMENT	.....	49,060	.....	49,060	.....	.....
31	LCS MCM MISSION MODULES	.....	93,961	.....	93,961	.....	.....
32	LCS ASW MISSION MODULES	.....	.....	.....	.....	.....	.....
33	LCS SUW MISSION MODULES	.....	12,102	.....	12,102	.....	.....
34	LCS IN–SERVICE MODERNIZATION	.....	171,704	.....	154,674	.....	−17,030
35	SMALL & MEDIUM UUV	.....	61,951	.....	61,951	.....	.....
	LOGISTICS SUPPORT						
36	LSD MIDLIFE & MODERNIZATION	.....	7,594	.....	7,594	.....	.....
	TOTAL, SHIPS SUPPORT EQUIPMENT	.....	5,776,998	.....	5,840,780	.....	+63,782
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	SHIP SONARS						
37	SPQ–9B RADAR	.....	7,267	.....	7,267	.....	.....
38	AN/SQQ–89 SURF ASW COMBAT SYSTEM	.....	138,065	.....	138,065	.....	.....
39	SSN ACOUSTICS EQUIPMENT	.....	463,577	.....	463,577	.....	.....
40	UNDERSEA WARFARE SUPPORT EQUIPMENT	.....	23,452	.....	23,452	.....	.....
	ASW ELECTRONIC EQUIPMENT						
41	SUBMARINE ACOUSTIC WARFARE SYSTEM	.....	46,726	.....	46,726	.....	.....
42	SSTD	.....	14,560	.....	14,560	.....	.....
43	FIXED SURVEILLANCE SYSTEM	.....	420,069	.....	420,069	.....	.....

44	SURTASS		33,910		33,910		
	ELECTRONIC WARFARE EQUIPMENT						
45	AN/SLQ–32		329,513		329,513		
	RECONNAISSANCE EQUIPMENT						
46	SHIPBOARD IW EXPLOIT		379,230		362,305		−16,925
47	AUTOMATED IDENTIFICATION SYSTEM (AIS)		4,082		4,082		
	OTHER SHIP ELECTRONIC EQUIPMENT						
48	COOPERATIVE ENGAGEMENT CAPABILITY		37,677		37,677		
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)		15,374		15,374		
50	ATDLS		50,148		50,148		
51	NAVY COMMAND AND CONTROL SYSTEM (NCCS)		3,918		3,918		
52	MINESWEEPING SYSTEM REPLACEMENT		16,814		16,814		
54	NAVSTAR GPS RECEIVERS (SPACE)		37,319		37,319		
55	AMERICAN FORCES RADIO AND TV		2,750		2,750		
56	STRATEGIC PLATFORM SUPPORT EQUIP		6,437		6,437		
	AVIATION ELECTRONIC EQUIPMENT						
57	ASHORE ATC EQUIPMENT		89,237		88,173		−1,064
58	AFLOAT ATC EQUIPMENT		90,487		88,369		−2,118
59	ID SYSTEMS		59,234		59,234		
60	JOINT PRECISION APPROACH AND LANDING SYSTEM		3,343		3,343		
61	NAVAL MISSION PLANNING SYSTEMS		39,180		34,750		−4,430
	OTHER SHORE ELECTRONIC EQUIPMENT						
62	MARITIME INTEGRATED BROADCAST SYSTEM		6,994		6,994		
63	TACTICAL/MOBILE C41 SYSTEMS		52,026		52,026		
64	DCGS–N		16,579		16,579		
65	CANES		467,587		467,587		
66	RADIAC		16,475		16,475		
67	CANES–INTELL		48,207		48,207		
68	GPETE		25,761		25,761		
69	NETWORK TACTICAL COMMON DATA LINK		16,475		16,475		
70	INTEG COMBAT SYSTEM TEST FACILITY		6,345		6,345		
71	EMI CONTROL INSTRUMENTATION		4,282		4,282		
72	ITEMS LESS THAN $5 MILLION						
73	IN–SERVICE RADARS AND SENSORS		255,256		217,474		−37,782
	SHIPBOARD COMMUNICATIONS						
74	BATTLE FORCE TACTICAL NETWORK		74,180		74,180		
75	SHIPBOARD TACTICAL COMMUNICATIONS		29,776		29,776		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
76	SHIP COMMUNICATIONS AUTOMATION		96,916		96,916		
77	COMMUNICATIONS ITEMS UNDER $5M		14,107		14,107		
	SUBMARINE COMMUNICATIONS						
78	SUBMARINE BROADCAST SUPPORT		73,791		73,791		
79	SUBMARINE COMMUNICATION EQUIPMENT		83,178		83,178		
	SATELLITE COMMUNICATIONS						
80	SATELLITE COMMUNICATIONS SYSTEMS		72,871		72,871		
81	NAVY MULTIBAND TERMINAL (NMT)		37,921		37,921		
	SHORE COMMUNICATIONS						
82	JCS COMMUNICATIONS EQUIPMENT		5,065		3,858		−1,207
	CRYPTOGRAPHIC EQUIPMENT						
83	INFO SYSTEMS SECURITY PROGRAM (ISSP)		154,890		154,890		
84	MIO INTEL EXPLOITATION TEAM		1,079		1,079		
	CRYPTOLOGIC EQUIPMENT						
85	CRYPTOLOGIC COMMUNICATIONS EQUIP		17,483		17,483		
	OTHER ELECTRONIC SUPPORT						
86	COAST GUARD EQUIPMENT		77,458		73,458		−4,000
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		3,967,071		3,899,545		−67,526
	AVIATION SUPPORT EQUIPMENT						
	SONOBUOYS						
88	SONOBUOYS—ALL TYPES		311,177		311,177		
	AIRCRAFT SUPPORT EQUIPMENT						
89	MINOTAUR		5,396		5,396		
90	WEAPONS RANGE SUPPORT EQUIPMENT		147,556		147,556		
91	AIRCRAFT SUPPORT EQUIPMENT		162,273		162,273		
92	ADVANCED ARRESTING GEAR (AAG)		11,930		11,930		
93	ELECTROMAGNETIC AIRCRAFT LAUNCH SYSTEM		17,836		17,836		

94	METEOROLOGICAL EQUIPMENT		19,703		19,703		
95	LEGACY AIRBORNE MINE COUNTERMEASURES		12,202		12,202		
96	LAMPS EQUIPMENT						
97	AVIATION SUPPORT EQUIPMENT		82,115		82,115		
98	UMCS–UNMAN CARRIER AVIATION (UCA) MISSION CONTROL		152,687		145,687		−7,000
99	ARCHITECT & CAP FOR AUTONOMY IN NAV ENTER (AR		1,612		1,612		
	TOTAL, AVIATION SUPPORT EQUIPMENT		924,487		917,487		−7,000
	ORDNANCE SUPPORT EQUIPMENT						
	SHIP GUN SYSTEM EQUIPMENT						
100	SHIP GUN SYSTEMS EQUIPMENT		6,404		6,404		
	SHIP MISSILE SYSTEMS EQUIPMENT						
101	HARPOON SUPPORT EQUIPMENT		227		227		
102	SHIP MISSILE SUPPORT EQUIPMENT		294,511		289,995		−4,516
103	TOMAHAWK SUPPORT EQUIPMENT		92,432		92,432		
	FBM SUPPORT EQUIPMENT						
104	STRATEGIC MISSILE SYSTEMS EQUIP		325,318		325,318		
	ASW SUPPORT EQUIPMENT						
105	SSN COMBAT CONTROL SYSTEMS		133,063		133,063		
106	ASW SUPPORT EQUIPMENT		27,469		27,469		
	OTHER ORDNANCE SUPPORT EQUIPMENT						
107	EXPLOSIVE ORDNANCE DISPOSAL EQUIP		27,864		27,864		
108	ITEMS LESS THAN $5 MILLION		6,171		6,171		
	OTHER EXPENDABLE ORDNANCE						
109	ANTI–SHIP MISSILE DECOY SYSTEM		56,630		56,630		
110	SUBMARINE TRAINING DEVICE MODS		76,954		76,954		
111	SURFACE TRAINING EQUIPMENT		209,487		207,369		−2,118
	TOTAL, ORDNANCE SUPPORT EQUIPMENT		1,256,530		1,249,896		−6,634
	CIVIL ENGINEERING SUPPORT EQUIPMENT						
112	PASSENGER CARRYING VEHICLES		3,827		3,827		
113	GENERAL PURPOSE TRUCKS		4,570		4,570		
114	CONSTRUCTION & MAINTENANCE EQUIP		56,829		56,829		
115	FIRE FIGHTING EQUIPMENT		16,583		16,583		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
116	TACTICAL VEHICLES		24,236		24,236		
117	AMPHIBIOUS EQUIPMENT		4,504		4,504		
118	POLLUTION CONTROL EQUIPMENT		3,898		3,898		
119	ITEMS UNDER $5 MILLION		67,286		67,286		
120	PHYSICAL SECURITY VEHICLES		1,286		1,286		
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT		183,019		183,019		
	SUPPLY SUPPORT EQUIPMENT						
121	SUPPLY EQUIPMENT		33,258		33,258		
122	FIRST DESTINATION TRANSPORTATION		6,977		6,977		
123	SPECIAL PURPOSE SUPPLY SYSTEMS		659,529		659,529		
	TOTAL, SUPPLY SUPPORT EQUIPMENT		699,764		699,764		
	PERSONNEL AND COMMAND SUPPORT EQUIPMENT						
	TRAINING DEVICES						
124	TRAINING SUPPORT EQUIPMENT		2,083		2,083		
125	TRAINING AND EDUCATION EQUIPMENT		106,542		106,542		
	COMMAND SUPPORT EQUIPMENT						
126	COMMAND SUPPORT EQUIPMENT		44,448		44,448		
127	MEDICAL SUPPORT EQUIPMENT		12,529		8,189		−4,340
129	NAVAL MIP SUPPORT EQUIPMENT		5,408		5,408		
130	OPERATING FORCES SUPPORT EQUIPMENT		12,105		12,105		
131	C4ISR EQUIPMENT		7,670		7,670		
132	ENVIRONMENTAL SUPPORT EQUIPMENT		52,597		52,597		
133	PHYSICAL SECURITY EQUIPMENT		108,901		104,973		−3,928
134	ENTERPRISE INFORMATION TECHNOLOGY		42,154		42,154		
139	NEXT GENERATION ENTERPRISE SERVICE		177,585		177,585		
140	CYBERSPACE ACTIVITIES		23,176		23,176		
141	CYBER MISSION FORCES						

999	CLASSIFIED PROGRAMS	.....	16,290	.....	17,990	.....	+1,700
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT	.....	611,488	.....	604,920	.....	−6,568
	SPARES AND REPAIR PARTS						
142	SPARES AND REPAIR PARTS	.....	645,900	.....	845,900	.....	+200,000
143	VIRGINIA CLASS (VACL) SPARES AND REPAIR PARTS	.....	470,000	.....	470,000	.....	.....
	TOTAL, SPARES AND REPAIR PARTS	.....	1,115,900	.....	1,315,900	.....	+200,000
	TOTAL, OTHER PROCUREMENT, NAVY	.....	14,535,257	.....	14,711,311	.....	+176,054

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
2	Surface Combatant HM&E	105,441	100,100	−5,341
	DDG 51 ship control system cost growth			−5,341
3	Other Navigation Equipment	110,286	105,245	−5,041
	Unjustified request			−5,041
5	DDG Mod	628,532	637,532	+9,000
	Program increase: Bromine free water systems			+9,000
8	LHA/LHD Midlife	104,369	102,403	−1,966
	Amplified announcing system installation unjustified request			−1,966
15	LPD Class Support Equipment	91,890	85,150	−6,740
	HW/SW obsolescence installation excess growth			−6,740
16	DDG 1000 Class Support Equipment	232,124	294,024	+61,900
	Program increase: Fund ZEUS for DDG–1000 class			+61,900
28	Standard Boats	74,963	83,963	+9,000
	Program increase: Diesel fuel outboard motor testing			+9,000
29	Operating Forces Ipe	187,495	207,495	+20,000
	Program increase: Submarine cradles to mitigate seismic risk during dry-docking availabilities			+20,000
34	LCS In-Service Modernization	171,704	154,674	−17,030
	Combat system installation excess growth			−17,030
46	Shipboard IW Exploit	379,230	362,305	−16,925
	SSEE modification installation excess growth			−9,061
	SSEE Inc F ECPs unjustified growth			−7,864
57	Ashore ATC Equipment	89,237	88,173	−1,064
	ATNAVICS Precision Approach Radar Replacement unit cost growth			−1,064
58	Afloat ATC Equipment	90,487	88,369	−2,118
	AN/SPN–50(V)1 excess support costs			−2,118
61	Naval Mission Planning Systems	39,180	34,750	−4,430
	Next generation naval mission planning system unjustified growth			−4,430
73	In-Service Radars and Sensors	255,256	217,474	−37,782
	SPEIR Block I early to need			−37,782
82	Joint Communications Support Element [JCSE]	5,065	3,858	−1,207
	Unjustified growth			−1,207
86	Coast Guard Equipment	77,458	73,458	−4,000
	Historical underexecution			−4,000
98	UMCS–Unman Carrier Aviation[UCA]Mission Cntrl	152,687	145,687	−7,000
	Historical underexecution			−7,000
102	Ship Missile Support Equipment	294,511	289,995	−4,516
	NATO SEASPARROW acquisition strategy adjustment			−1,134
	SSDS ship unit cost savings			−3,382
111	Surface Training Equipment	209,487	207,369	−2,118
	MB040 BFTT/ATD/TSTC installation excess growth			−2,118
127	Medical Support Equipment	12,529	8,189	−4,340
	ERCS unjustified growth			−4,340
133	Physical Security Equipment	108,901	104,973	−3,928
	C–UAS unjustified growth			−3,928
999	Classified Programs	16,290	17,990	+1,700
	Classified adjustment			+1,700
142	Spares and Repair Parts	645,900	845,900	+200,000
	Program increase: Spares and repair parts			+200,000

Virginia Class Material Strategy.—The Committee remains concerned with persistent delays in submarine repair maintenance activities that reduce operational availabilities of submarines. The Committee notes that the availability of VIRGINIA Class submarine [VCS] materials have been a significant driver of mainte-

nance delays. Therefore, the Committee supports the fiscal year 2024 President's budget request of $470,000,000 for the procurement of VCS spares and repair parts in support of the Navy's revised VCS material strategy. In order to facilitate appropriate congressional oversight of this novel approach, the Committee directs the Secretary of the Navy not later than 90 days after the enactment of this act, and quarterly thereafter, to brief the congressional defense committees on the Navy's VCS materials strategy. The briefing shall include (1) updates on the implementation of the strategy; (2) plans for the obligation of funding appropriated for VCS spares and repair parts; (3) an assessment of the health of the defense industrial base for VCS materials; and (4) an updated analysis of estimated cost savings and reductions in availability delays resulting from the Navy's strategy. The Committee encourages the Secretary of the Navy to use predictive modeling and make adjustments to the budget development process and procurement lead times of VCS materials to improve material readiness.

PROCUREMENT, MARINE CORPS

Budget estimate, 2024	$3,979,212,000
Committee recommendation	3,957,695,000

The Committee recommends an appropriation of $3,957,695,000. This is $21,517,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, MARINE CORPS						
	WEAPONS AND COMBAT VEHICLES						
	TRACKED COMBAT VEHICLES						
1	AAV7A1 PIP		3,353		3,353		
2	AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES	80	557,564	80	554,064		−3,500
3	LAV PIP		42,052		42,052		
	ARTILLERY AND OTHER WEAPONS						
4	155MM LIGHTWEIGHT TOWED HOWITZER		489		489		
5	ARTILLERY WEAPONS SYSTEM		165,268		165,268		
6	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION		14,004		14,004		
	TOTAL, WEAPONS AND COMBAT VEHICLES		782,730		779,230		−3,500
	GUIDED MISSILES AND EQUIPMENT						
	GUIDED MISSILES						
7	TOMAHAWK	34	105,192	34	105,192		
8	NAVAL STRIKE MISSILE (NSM)	90	169,726	90	169,726		
9	NAVAL STRIKE MISSILE (NSM) (AP–CY)		39,244		39,244		
10	GROUND BASED AIR DEFENSE		249,103		253,603		+4,500
11	ANTI–ARMOR MISSILE—JAVELIN		54,883		54,883		
12	FAMILY OF ANTI–ARMOR WEAPON SYSTEMS		23,627		20,608		−3,019
13	ANTI–ARMOR MISSILE—TOW		2,007		2,007		
14	GUIDED MLRS ROCKET (GMLRS)	48	8,867	48	8,867		
	TOTAL, GUIDED MISSILES AND EQUIPMENT		652,649		654,130		+1,481
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT						
	COMMAND AND CONTROL SYSTEMS						
15	COMMON AVIATION COMMAND AND CONTROL SYSTEM		75,382		74,688		−694

	REPAIR AND TEST EQUIPMENT						
16	REPAIR AND TEST EQUIPMENT		53,590		53,590		
	OTHER SUPPORT (TEL)						
17	MODIFICATION KITS		1,782		1,782		
	COMMAND AND CONTROL SYSTEM (NON–TEL)						
18	ITEMS UNDER $5 MILLION (COMM & ELEC)		122,917		111,993		−10,924
19	AIR OPERATIONS C2 SYSTEMS		23,744		23,744		
	RADAR + EQUIPMENT (NON–TEL)						
20	GROUND/AIR TASK ORIENTED RADAR		66,291		66,291		
	INTELL/COMM EQUIPMENT (NON–TEL)						
21	ELECTRO MAGNETIC SPECTRUM OPERATIONS (EMSO)		177,270		133,117		−44,153
22	GCSS–MC		4,144		4,144		
23	FIRE SUPPORT SYSTEM		58,483		58,483		
24	INTELLIGENCE SUPPORT EQUIPMENT		148,062		148,062		
26	UNMANNED AIR SYSTEMS (INTEL)		52,273		48,909		−3,364
27	DCGS–MC		68,289		73,419		+5,130
28	UAS PAYLOADS		19,088		19,088		
	OTHER SUPPORT (NON–TEL)						
31	EXPEDITIONARY SUPPORT EQUIPMENT		2,010		2,010		
32	MARINE CORPS ENTERPRISE NETWORK		259,044		232,237		−26,807
33	COMMON COMPUTER RESOURCES		27,966		27,966		
34	COMMAND POST SYSTEMS		71,109		69,143		−1,966
35	RADIO SYSTEMS		544,059		502,783		−41,276
36	COMM SWITCHING & CONTROL SYSTEMS		46,276		46,276		
37	COMM & ELEC INFRASTRUCTURE SUPPORT		27,111		27,111		
38	CYBERSPACE ACTIVITIES		27,583		27,583		
40	UNMANNED EXPEDITIONARY SYSTEMS		13,564		13,564		
999	CLASSIFIED PROGRAMS		2,799		2,799		
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT		1,892,836		1,768,782		−124,054
	SUPPORT VEHICLES						
	ADMINISTRATIVE VEHICLES						
43	COMMERCIAL CARGO VEHICLES		34,169		34,169		
	TACTICAL VEHICLES						
44	MOTOR TRANSPORT MODIFICATIONS		17,299		17,299		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
45	JOINT LIGHT TACTICAL VEHICLE	396	232,501	396	221,657	.....	−10,844
46	TRAILERS	.....	2,034	.....	2,034	.....	.....
	TOTAL, SUPPORT VEHICLES	.....	286,003	.....	275,159	.....	−10,844
	ENGINEER AND OTHER EQUIPMENT						
	ENGINEER AND OTHER EQUIPMENT						
47	TACTICAL FUEL SYSTEMS	.....	12,956	.....	12,956	.....	.....
48	POWER EQUIPMENT ASSORTED	.....	28,899	.....	22,786	.....	−6,113
49	AMPHIBIOUS SUPPORT EQUIPMENT	.....	15,691	.....	15,691	.....	.....
50	EOD SYSTEMS	.....	41,200	.....	44,200	.....	+3,000
	MATERIALS HANDLING EQUIPMENT						
51	PHYSICAL SECURITY EQUIPMENT	.....	53,949	.....	44,177	.....	−9,772
	GENERAL PROPERTY						
52	FIELD MEDICAL EQUIPMENT	.....	5,457	.....	16,457	.....	+11,000
53	TRAINING DEVICES	.....	96,577	.....	96,577	.....	.....
54	FAMILY OF CONSTRUCTION EQUIPMENT	.....	29,883	.....	29,883	.....	.....
55	ULTRA–LIGHT TACTICAL VEHICLE	.....	17,034	.....	13,319	.....	−3,715
	OTHER SUPPORT						
56	ITEMS LESS THAN $5 MILLION	.....	27,691	.....	48,691	.....	+21,000
	TOTAL, ENGINEER AND OTHER EQUIPMENT	.....	329,337	.....	344,737	.....	+15,400
57	SPARES AND REPAIR PARTS	.....	35,657	.....	135,657	.....	+100,000
	TOTAL, PROCUREMENT, MARINE CORPS	.....	3,979,212	.....	3,957,695	.....	−21,517

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
2	Amphibious Combat Vehicle Family of Vehicles	557,564	554,064	−3,500
	Production support unjustified growth			−3,500
10	Ground Based Air Defense	249,103	253,603	+4,500
	Program increase: Medium range intercept capability			+4,500
12	Family Anti-Armor Weapon Systems (FOAAWS)	23,627	20,608	−3,019
	Unit cost growth			−3,019
15	Common Aviation Command and Control System (C	75,382	74,688	−694
	AN/TSQ–297 small form factor unit cost growth			−694
18	Items Under $5 Million (Comm & Elec)	122,917	111,993	−10,924
	Squad Binocular Night Vision Goggle unit cost growth			−10,924
21	Electro Magnetic Spectrum Operations (EMSO)	177,270	133,117	−44,153
	MEGFoS dismounted backpackable systems early to need			−34,637
	MEGFoS dismounted small form factor eary to need			−9,516
26	Unmanned Air Systems (Intel)	52,273	48,909	−3,364
	Unit cost growth			−3,364
27	Distributed Common Ground System-MC	68,289	73,419	+5,130
	Program increase: Distributed Common Ground/Surface System-Marine Corps All-Source SCI Workstations			+5,130
32	Marine Corps Enterprise Network (MCEN)	259,044	232,237	−26,807
	Network transport unjustified growth			−26,807
34	Command Post Systems	71,109	69,143	−1,966
	Unit cost growth			−1,966
35	Radio Systems	544,059	502,783	−41,276
	Unexecutable growth			−41,276
45	Joint Light Tactical Vehicle	232,501	221,657	−10,844
	Vehicle kits previously funded			−6,600
	Test support excess to need			−4,244
48	Power Equipment Assorted	28,899	22,786	−6,113
	Lack of requirement			−6,113
50	EOD Systems	41,200	44,200	+3,000
	Program increase: Demolition Equipment Set			+3,000
51	Physical Security Equipment	53,949	44,177	−9,772
	Unobligated balance			−9,772
52	Field Medical Equipment	5,457	16,457	+11,000
	Program increase: Family of Field Medical Equipment Damage Control Resuscitation and Damage Control Surgery equipment sets			+11,000
55	Ultra-Light Tactical Vehicle (ULTV)	17,034	13,319	−3,715
	Hardware and support costs previously funded			−3,715
56	Items Less Than $5 Million	27,691	48,691	+21,000
	Program increase: Ultra-Lightweight Camouflage Net System			+21,000
57	Spares and Repair Parts	35,657	135,657	+100,000
	Program increase: Spares and repair parts			+100,000

AIRCRAFT PROCUREMENT, AIR FORCE

Budget estimate, 2024 ..... $20,315,204,000
Committee recommendation 20,114,772,000

The Committee recommends an appropriation of $20,114,772,000. This is $200,432,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	AIRCRAFT PROCUREMENT, AIR FORCE						
	COMBAT AIRCRAFT						
	STRATEGIC OFFENSIVE						
1	B–21 RAIDER		1,617,093		1,454,093		−163,000
2	B–21 RAIDER (AP–CY)		708,000		708,000		
	TACTICAL FORCES						
3	F–35	48	4,877,121	48	4,773,381		−103,740
4	F–35 (AP–CY)		402,000		402,000		
5	F–15EX	24	2,670,039	24	2,406,756		−263,283
6	F–15EX (AP–CY)		228,000		228,000		
	TOTAL, COMBAT AIRCRAFT		10,502,253		9,972,230		−530,023
	AIRLIFT AIRCRAFT/TACTICAL AIRLIFT						
7	KC–46A TANKER	15	2,882,590	15	2,825,409		−57,181
	OTHER AIRLIFT						
8	C–130J		34,921	8	874,921	+8	+840,000
9	MC–130J						
	TOTAL, AIRLIFT AIRCRAFT		2,917,511		3,700,330		+782,819
	TRAINER AIRCRAFT						
10	ADVANCED PILOT TRAINING T–7A						
	OTHER AIRCRAFT						
	HELICOPTERS						
11	MH–139A	7	228,807	7	228,807		
12	COMBAT RESCUE HELICOPTER		282,533	10	597,408	+10	+314,875
	MISSION SUPPORT AIRCRAFT						
13	CIVIL AIR PATROL A/C		3,013		11,900		+8,887

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER AIRCRAFT						
14	PALE ALE						
15	TARGET DRONES	20	42,226	20	34,526		−7,700
16	COMPASS CALL						
17	E–11 BACN/HAG	1	67,367	1	67,367		
18	MQ–9						
	TOTAL, OTHER AIRCRAFT		623,946		940,008		+316,062
	MODIFICATION OF INSERVICE AIRCRAFT						
	STRATEGIC AIRCRAFT						
19	B–2A		107,980		91,080		−16,900
20	B–1B		12,757		9,782		−2,975
21	B–52		65,815		45,182		−20,633
22	LARGE AIRCRAFT INFRARED COUNTERMEASURES		21,723		21,723		
	TACTICAL AIRCRAFT						
23	A–10						
24	E–11 BACN/HAG		58,923		58,923		
25	F–15		34,830		28,580		−6,250
25A	F–15EX				79,800		+79,800
26	F–16		297,342		255,501		−41,841
27	F–22A		794,676		359,679		−434,997
28	F–35 MODIFICATIONS		451,798		329,398		−122,400
29	F–15 EPAW		280,658		246,849		−33,809
30	KC–46A MODS						
	AIRLIFT AIRCRAFT						
31	C–5		24,377		24,377		
32	C–17A		140,560		122,117		−18,443
33	C–32A		19,060		19,060		
34	C–37A		13,454		13,454		
	TRAINER AIRCRAFT						
35	GLIDER MODS		5,270		5,270		

36	T–6		2,942		2,942		
37	T–1		10,950		10,950		
38	T–38		125,340		125,340		
	OTHER AIRCRAFT						
40	U–2 MODS		54,727		54,727		
41	KC–10A (ATCA)						
42	C–12		446		446		
43	C–21						
44	VC–25A MOD		29,707		29,707		
45	C–40		8,921		8,921		
46	C–130		71,177		91,177		+20,000
47	C–130J MODS		121,258		121,258		
48	C–135		153,595		153,595		
49	COMPASS CALL MODS		144,686		144,686		
50	COMBAT FLIGHT INSPECTION—CFIN		446		446		
51	RC–135		220,138		220,138		
52	E–3		1,350		1,350		
53	E–4		13,055		13,055		
56	H–1		816		816		
57	H–60		4,207		4,207		
58	COMBAT RESCUE HELICOPTER MODIFICATION						
59	RQ–4 MODS						
60	HC/MC–130 MODIFICATIONS		101,055		101,055		
61	OTHER AIRCRAFT		54,134		61,784		+7,650
62	MQ–9 MODS		98,063		98,063		
64	SENIOR LEADER C3, SYSTEM—AIRCRAFT		24,847		24,847		
65	CV–22 MODS		153,006		153,006		
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT		3,724,089		3,133,291		−590,798
	AIRCRAFT SPARES AND REPAIR PARTS						
66	INITIAL SPARES/REPAIR PARTS		781,521		977,409		+195,888
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES						
	COMMON SUPPORT EQUIPMENT						
67	AIRCRAFT REPLACEMENT SUPPORT EQUIP		157,664		169,664		+12,000
	POST PRODUCTION SUPPORT						
68	B–2A		1,838		1,838		
69	B–2B		15,207		15,207		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
70	B–52						
71	C–5 (BA07)						
72	MC–130J		10,117		10,117		
73	F–15						
74	F–16		1,075		1,075		
75	F–22A		38,418		38,418		
76	HC/MC–130J MODIFICATIONS						
77	MQ9 POST PROD						
78	RQ–4 POST PRODUCTION CHARGES						
	INDUSTRIAL RESPONSIVENESS						
79	INDUSTRIAL RESPONSIVENESS		18,874		18,874		
	WAR CONSUMABLES						
80	WAR CONSUMABLES		27,482		27,482		
	OTHER PRODUCTION CHARGES						
81	OTHER PRODUCTION CHARGES		1,478,044		1,091,664		−386,380
	CLASSIFIED PROGRAMS	999	17,165	999	17,165		
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		1,765,884		1,391,504		−374,380
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE		20,315,204		20,114,772		−200,432

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	B–21 Raider	1,617,093	1,454,093	−163,000
	Classified adjustment			−163,000
3	F–35	4,877,121	4,773,381	−103,740
	Excess to need: NRE			−63,371
	Excess to need: AME			−40,369
5	F–15EX	2,670,039	2,406,756	−263,283
	Early to need: Depot activation			−80,000
	Early to need: Retrofit funding			−40,648
	Compliance with full funding policy			−62,835
	Air Force requested technical adjustment, Line 25A F–15EX			−79,800
7	KC–46A MDAP	2,882,590	2,825,409	−57,181
	Cost overestimation: Other government costs			−9,071
	Phase program growth: Commodities activation			−48,110
8	C–130J	34,921	874,921	+840,000
	Program increase: 8 additional aircraft for the Air National Guard			+840,000
12	Combat Rescue Helicopter	282,533	597,408	+314,875
	Reduce carryover: Obsolescence			−34,175
	Reduce duplicative funding: Sustaining engineering and program management			−32,600
	Unjustified growth: Training systems			−18,350
	Program increase: Ten aircraft			+400,000
13	Civil Air Patrol A/C	3,013	11,900	+8,887
	Program increase			+8,887
15	Target Drones	42,226	34,526	−7,700
	Excess to need: QF–16			−7,700
19	B–2A	107,980	91,080	−16,900
	Excess to need: IFF transponder			−3,600
	Contract savings: Display modernization			−4,700
	Early to need: Airborne integrated terminal group			−8,600
20	B–1B	12,757	9,782	−2,975
	Early to need: Radio crypto modernization			−2,975
21	B–52	65,815	45,182	−20,633
	Cost overestimation: Tactical data links program support			−3,199
	Air Force requested technical adjustment to RDAF line 145 for crypto modernization			−14,017
	Reduce carryover			−3,417
25	F–15	34,830	28,580	−6,250
	Reduce carryover: Advanced display core processor			−6,250
25A	F–15EX		79,800	+79,800
	Air Force requested technical adjustment from line 5			+79,800
26	F–16	297,342	255,501	−41,841
	SLEP costs previously funded			−25,440
	Reduce carryover: Communication suite upgrades			−16,401
27	F–22A	794,676	359,679	−434,997
	Contract award delays: Sensor enhancement			−434,997
28	F–35 Modifications	451,798	329,398	−122,400
	Unjustfified request: Lot 19			−122,400
29	F–15 EPAW	280,658	246,849	−33,809
	Unjustified growth: Program management			−16,100
	Reduce carryover: Engineering change orders			−8,500
	Cost overestimation: Production kits			−9,209
32	C–17A	140,560	122,117	−18,443
	Schedule delays: Beyond line of sight			−18,443
46	C–130	71,177	91,177	+20,000
	Program increase: Improved modular airborne firefighting system			+20,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
61	Other Aircraft	54,134	61,784	+7,650
	Air Force requested transfer from RDAF Line 95 for Sentinel			+7,650
66	Initial Spares/Repair Parts	781,521	977,409	+195,888
	Program increase: F–35A engine spares			+132,000
	Program increase: Spares and repair parts			+100,000
	Contract delays: KC–46A spares			−36,112
67	Aircraft Replacement Support Equip	157,664	169,664	+12,000
	Program increase: Training and equipment for KC–135 classic associations			+12,000
81	Other Production Charges	1,478,044	1,091,664	−386,380
	Early to need: T–7 depot activation funding			−44,409
	Classified adjustment			−341,971

F–22 Sensor Enhancements.—The Committee strongly supports investments in modernizing the F–22A in order to enhance the platform's advanced capabilities. In particular, the Committee believes that the sensor enhancement program is vital to maintaining the F–22A's air superiority mission. However, the Committee remains concerned by the sensor enhancement program's developmental delays, which are not reflected within the fiscal year 2024 President's budget request. Accordingly, the Committee recommends a reduction of $434,997,000 requested for sensor enhancements procurement without prejudice. The Committee encourages the Secretary of the Air Force to continue to update the congressional defense committees on progress on this program, including the outcomes of all future tests and planned contracting actions.

Full Funding of F–15EX Program.—The Committee notes that the F–15EX program faces a significant prior-year shortfall to fully fund the 24 aircraft appropriated in the Department of Defense Appropriations Act, 2023 (Public Law 117–328) and the 12 aircraft appropriated in the Department of Defense Appropriations Act, 2022 (Public Law 117–103). To address this shortfall, the Air Force informed the Committee that it intends to apply funds requested for aircraft in fiscal year 2024 to cover the additional cost of aircraft appropriated in fiscal year 2023, and to use funds provided in fiscal year 2023 to cover the additional cost of aircraft appropriated in fiscal year 2022. The Committee believes that this approach is inconsistent with best acquisition practices and obscures the true total cost of each airframe. The Committee further notes that the Air Force's reliance on undefinitized contract actions contributes to further uncertainty in the program, diminishing the government's negotiating leverage and limiting visibility of the out-year costs of the program.

The Committee recommends adjustments to the fiscal year 2024 request for F–15EX to provide full funding for the requested 24 aircraft requested in fiscal year 2024. The Committee encourages the Secretary of the Air Force to submit reprogramming requests that realign the appropriate resources to complete the procurement of previously appropriated aircraft if shortfalls persist. The Committee believes that this will provide stability to the program and the industrial base. The Committee reiterates its support for the

capability that the F–15EX program provides to the Air Force and notes the importance of retaining multiple active fighter production lines to ensure a viable and competitive industrial base and workforce.

Classic Associations.—The Committee notes that there are six Air National Guard [ANG] units that operate under classic associations with their active duty counterparts. While these ANG units do not own aircraft, they are operationally integrated into the active unit that maintains operational control of the mission set. The Committee understands that informal agreements exist between active and guard units that provide small numbers of backup aircraft to the Guard units to operate and maintain as a "micro-fleet". The Committee commends the Air Force for this innovative solution to a unique arrangement between multiple components and directs the Secretary of the Air Force to pursue a memorandum of agreement [MOA] to formally recognize these agreements. Further, the Committee directs that not later than 90 days following enactment of this act, the Secretary of the Air Force shall, in consultation with the Chief of the National Guard Bureau submit a report to the Committees on Appropriations of the House of Representatives and the Senate identifying the key parameters of such MOAs. In addition, the Committee recommends $12,000,000 in the Aircraft Procurement, Air Force account, $2,000,000 in the Operation and Maintenance, Air National Guard account and $1,000,000 in the Other Procurement, Air Force account to provide additional training and support equipment to these Guard units, thereby lessening the logistical burden on the active duty units.

Collaborative Combat Aircraft Basing.—The Committee notes the initiation of the Collaborative Combat Aircraft [CCA] effort and understands that this capability is scheduled for delivery in the late 2020's. Given the rapid development timeline associated with this capability, the Committee believes that it is prudent to begin developing basing criteria for CCA alongside development. Therefore, the Committee directs the Secretary of the Air Force to provide a report to the congressional defense committees not later than 90 days after the enactment of this act that describes preliminary basing criteria for CCA. This report shall detail basing criteria for CCA and include an evaluation of whether existing Air National Guard units with fighter aircraft in need of recapitalization are appropriate basing candidates for CCA.

Recapitalization of the Reserve Components.—The Committee notes the importance of fielding and basing new platforms within the Air National Guard and Air Force Reserve components to ensure interoperability and compatibility with the active component. The Committee is concerned that, as the Department of the Air Force recapitalizes units operating legacy platforms, modernized platforms have not been fielded to the reserve components in a proportional manner to their operational contributions. Accordingly, the Committee directs the Secretary of the Air Force to appropriately plan, in both the Department's procurement budgeting and strategic basing processes, for adequate recapitalization of Air National Guard and Air Force Reserve units with modern platforms.

Polar Tactical Airlift.—The Air National Guard maintains and operates a fleet of LC–130H aircraft that provide assured access to

the polar regions in support of long-standing, validated mission requirements. The Committee reiterates its belief that polar tactical airlift is a vital capability that must be maintained and modernized. The Department of Defense Appropriations Act, 2023 (Public Law 117–328), provided $1,000,000 in Operation and Maintenance, Air Force to begin the requirements definition process for follow-on aircraft to fulfill the polar tactical airlift mission set, and to submit a report to the congressional defense committees not later than 120 days following the enactment of the act. The Committee observes that further deferring the requirements definition process poses an unacceptable risk to polar tactical airlift capability, potentially resulting in a capability gap into the 2030s. The Committee directs the submission of the aforementioned report at the earliest possible date.

MQ–9 Sales to Foreign Partners.—The Committee understands that U.S. partners have urgent requirements for MQ–9 unmanned aircraft systems and that these requirements are straining the capacity of the Air Force's Systems Program Office [SPO] to expedite contracts in a timely manner. Therefore, the Committee directs the Assistant Secretary of the Air Force (Acquisition, Technology and Logistics), to provide a briefing to the congressional defense committees, not later than December 15, 2023, on plans to improve management of Air Force program requirements in conjunction with foreign partner requests. The briefing shall address ways to improve delivering aircraft on a schedule appropriate to the urgency-of-need, and a description of any potential process waivers necessary to expedite contracting actions.

C–12 Recapitalization.—The Committee is concerned with the state of the C–12 fleet across the military services, to include those belonging to National Guard and Reserve component units. The Committee believes that the Department of Defense should adequately budget and resource for the modernization of these airframes consistent with current identified requirements. Therefore, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees, not later than 90 days after enactment of this act, that details the current status of the C–12 fleet including quantities, location, flight hours, and expected service life. The report shall at a minimum include the composition of the existing C–12 fleet, ongoing modernization efforts, and funding requirements by appropriation to modernize the C–12 fleet.

EC–37B Compass Call.—The Committee notes its continued support for the Compass Call program, including the transition of the capability from the EC–130H to the EC–37B platform. The Committee supports the deployment of the Small Adaptable Bank of Electronic Resources [SABER] capability, which is currently fielded on the EC–130H, but has yet to be fielded to the new EC–37B fleet. The Committee urges the Secretary of the Air Force to prioritize budgeting to field SABER to the EC–37B fleet, as consistent with current Department of the Air Force identified requirements, to ensure it is equipped with the most modern capabilities.

MISSILE PROCUREMENT, AIR FORCE

Budget estimate, 2024	$5,530,446,000
Committee recommendation	5,590,622,000

The Committee recommends an appropriation of $5,590,622,000. This is $60,176,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	MISSILE PROCUREMENT, AIR FORCE						
	BALLISTIC MISSILES						
1	MISSILE REPLACEMENT EQUIPMENT—BALLISTIC	.....	69,319	.....	69,319	.....	.....
3	GROUND BASED STRATEGIC DETERRENT	.....	539,300	.....	739,300	.....	+ 200,000
	TOTAL, BALLISTIC MISSILES	.....	608,619	.....	808,619	.....	+ 200,000
	OTHER MISSILES						
	STRATEGIC						
4	LONG RANGE STAND–OFF WEAPON	.....	66,816	.....	66,816	.....	.....
	TACTICAL						
5	REPLAC EQUIP & WAR CONSUMABLES	.....	37,318	.....	37,318	.....	.....
6	JOINT AIR–SURFACE STANDOFF MISSILE (JASSM)	550	915,996	550	791,596	.....	– 124,400
7	JOINT AIR–SURFACE STANDOFF MISSILE	.....	769,672	.....	769,672	.....	.....
8	JOINT STRIKE MISSILE	48	161,011	48	161,011	.....	.....
9	LRASM0	27	87,796	27	87,796	.....	.....
10	LRASM0 (AP–CY)	.....	99,871	.....	99,871	.....	.....
11	SIDEWINDER (AIM–9X)	192	95,643	192	95,643	.....	.....
12	AMRAAM	457	489,049	457	489,049	.....	.....
13	AMRAAM (AP–CY)	.....	212,410	.....	212,410	.....	.....
14	PREDATOR HELLFIRE MISSILE	.....	1,049	.....	1,049	.....	.....
15	SMALL DIAMETER BOMB	874	48,734	874	48,734	.....	.....
16	SMALL DIAMETER BOMB II	920	291,553	920	291,553	.....	.....
17	STAND–IN ATTACK WEAPON (SIAW)	14	41,947	14	41,947	.....	.....
	INDUSTRIAL FACILITIES						
18	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION	.....	793	.....	793	.....	.....
	TOTAL, OTHER MISSILES	.....	3,319,658	.....	3,195,258	.....	– 124,400

	MODIFICATION OF INSERVICE MISSILES						
	CLASS IV						
19	ICBM FUZE MOD		115,745		115,745		
20	ICBM FUZE MOD		43,044		43,044		
21	MM III MODIFICATIONS		48,639		48,639		
22	AIR LAUNCH CRUISE MISSILE		41,494		41,494		
	TOTAL, MODIFICATION OF INSERVICE MISSILES		248,922		248,922		
	SPARES AND REPAIR PARTS						
23	INITIAL SPARES/REPAIR PARTS		6,840		6,840		
24	REPLEN SPARES/REPAIR PARTS		75,191		175,191		+ 100,000
	TOTAL, SPARES AND REPAIR PARTS		82,031		182,031		+ 100,000
	OTHER SUPPORT						
29	SPECIAL UPDATE PROGRAMS		419,498		304,074		− 115,424
999	CLASSIFIED PROGRAMS		851,718		851,718		
	TOTAL, SPECIAL PROGRAMS		1,271,216		1,155,792		− 115,424
	TOTAL, MISSILE PROCUREMENT, AIR FORCE		5,530,446		5,590,622		+ 60,176

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
3	Ground Based Strategic Deterrent	539,300	739,300	+200,000
	Program increase: GBSD long lead time materials			+100,000
	Program increase: GBSD industrial base expansion			+100,000
6	Joint Air-Surface Standoff Missile	915,996	791,596	−124,400
	Contract modification phasing			−47,400
	Unjustified request: Facilitization			−77,000
24	Msl Sprs/Repair Parts (Replen)	75,191	175,191	+100,000
	Program increase: Spares and repair parts			+100,000
29	Special Update Programs	419,498	304,074	−115,424
	Classified adjustment			−115,424

Sentinel Industrial Base.—The Committee notes the absence of schedule margin in the Sentinel program and recommends an increase of $100,000,000 for long lead time materials to reduce schedule and cost risk and stabilize the supply base. Further, the Committee is concerned about the health of the Sentinel program's industrial base, particularly its suppliers, which are critical to managing program cost and schedule. The Committee is committed to supporting the industrial base to ensure the Sentinel program is operational prior to the retirement of Minuteman III program. Therefore, the Committee recommends an increase of $100,000,000 to strengthen Sentinel program key suppliers, particularly in areas with identified gaps, and to improve supplier efficiency. This funding may also be used for workforce development and collaboration with trade schools. The Secretary of the Air Force is directed to provide to the congressional defense committees, with submission of the President's fiscal year 2025 budget request, a comprehensive analysis of the Sentinel industrial base suppliers that identifies key suppliers across pacing categories; an assessment of their ability to support the program's demand on schedule; as well as Air Force plans to manage and improve the depth and breadth of the Sentinel supply base, as required.

The Committee further directs the Secretary of the Air Force to provide quarterly reports to the congressional defense committees beginning on the first day of the fiscal year quarter following the date of enactment of this act until the first day of the fiscal year quarter after all such funds have been expended. The report shall include for each obligation and expenditure of this recommended funding increase: performers, location, description of the work performed, obligation date and amount, expenditure date and amount, original contract amount, description of any shortfalls, actions to be undertaken, desired end state, usable items to be procured, level of effort to be performed, period of performance, additional funding amount provided as applicable, and projected associated savings as applicable.

PROCUREMENT OF AMMUNITION, AIR FORCE

Budget estimate, 2024	$703,158,000
Committee recommendation	636,579,000

The Committee recommends an appropriation of $636,579,000. This is $66,579,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT OF AMMUNITION, AIR FORCE						
	AMMUNITION						
1	ROCKETS		18,483		18,483		
2	CARTRIDGES		101,104		95,273		−5,831
	BOMBS						
4	GENERAL PURPOSE BOMBS		142,118		122,009		−20,109
5	MASSIVE ORDNANCE PENETRATOR (MOP)		14,074		1,250		−12,824
6	JOINT DIRECT ATTACK MUNITION	1772	132,364	1,152	104,549	−620	−27,815
7	B61		68		68		
8	B61–12 TRAINER		10,100		10,100		
	OTHER ITEMS						
9	CAD/PAD		51,487		51,487		
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD)		6,707		6,707		
11	SPARES AND REPAIR PARTS		585		585		
13	FIRST DESTINATION TRANSPORTATION		2,299		2,299		
14	ITEMS LESS THAN $5,000,000		5,115		5,115		
	FLARES/FUZES						
15	EXPENDABLE COUNTERMEASURES		79,786		79,786		
16	FUZES		109,562		109,562		
	TOTAL, AMMUNITION		673,852		607,273		−66,579
	WEAPONS						
17	SMALL ARMS		29,306		29,306		
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE		703,158		636,579		−66,579

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
2	Cartridges	101,104	95,273	−5,831
	Unjustified increase: Small cal/ground munitions			−2,363
	Excess to need: Ctg, 25mm, TP (PGU–23/U)			−3,468
4	General Purpose Bombs	142,118	122,009	−20,109
	Excess to need: MK84 fin assembly			−500
	Excess to need: BDU–50/B			−18,859
	Excess to need: BDU–33			−750
5	Massive Ordnance Penetrator [MOP]	14,074	1,250	−12,824
	Excess to need: Massive Ordnance Penetrator			−12,824
6	Joint Direct Attack Munition	132,364	104,549	−27,815
	Excess to need: JDAM tail kit			−27,815

OTHER PROCUREMENT, AIR FORCE

Budget estimate, 2024 ..... $30,417,892,000
Committee recommendation 30,397,452,000

The Committee recommends an appropriation of $30,397,452,000. This is $20,440,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	OTHER PROCUREMENT, AIR FORCE						
	VEHICULAR EQUIPMENT						
	PASSENGER CARRYING VEHICLES						
1	PASSENGER CARRYING VEHICLE		6,123		6,123		
	CARGO AND UTILITY VEHICLES						
2	FAMILY MEDIUM TACTICAL VEHICLE		3,961		3,961		
3	CAP VEHICLES		1,027		2,000		+973
4	CARGO AND UTILITY VEHICLES		45,036		47,338		+2,302
	SPECIAL PURPOSE VEHICLES						
5	JOINT LIGHT TACTICAL VEHICLE		57,780		42,615		−15,165
6	SECURITY AND TACTICAL VEHICLES		390		390		
7	SPECIAL PURPOSE VEHICLES		79,023		87,803		+8,780
	FIRE FIGHTING EQUIPMENT						
8	FIRE FIGHTING/CRASH RESCUE VEHICLES		70,252		70,252		
	MATERIALS HANDLING EQUIPMENT						
9	MATERIALS HANDLING EQUIPMENT		73,805		75,895		+2,090
	BASE MAINTENANCE SUPPORT						
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP		22,030		34,030		+12,000
11	BASE MAINTENANCE SUPPORT VEHICLES		223,354		245,634		+22,280
	TOTAL, VEHICULAR EQUIPMENT		582,781		616,041		+33,260
	ELECTRONICS AND TELECOMMUNICATIONS EQUIPMENT						
	COMM SECURITY EQUIPMENT[COMSEC)						
13	COMSEC EQUIPMENT		98,600		98,600		
14	STRATEGIC MICROELECTRONIC SUPPLY SYSTEM						
	INTELLIGENCE PROGRAMS						
15	INTERNATIONAL INTEL TECH AND ARCHITECTURES		5,393		5,393		
16	INTELLIGENCE TRAINING EQUIPMENT		5,012		5,012		

17	INTELLIGENCE COMM EQUIP		40,042		40,042		
	ELECTRONICS PROGRAMS						
18	AIR TRAFFIC CONTROL & LANDING SYS		67,581		67,581		
19	NATIONAL AIRSPACE SYSTEM		3,841		3,841		
20	BATTLE CONTROL SYSTEM—FIXED		1,867		1,867		
21	THEATER AIR CONTROL SYS IMPRO						
22	3D EXPEDITIONARY LONG–RANGE RADAR		83,735		295,235		+211,500
23	WEATHER OBSERVATION FORECAST		28,530		28,530		
24	STRATEGIC COMMAND AND CONTROL		73,593		73,593		
25	CHEYENNE MOUNTAIN COMPLEX		8,221		8,221		
26	MISSION PLANNING SYSTEMS		17,078		17,078		
28	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)						
29	STRATEGIC MISSION PLANNING & EXECUTION SYSTEM		3,861		3,861		
	SPECIAL COMM–ELECTRONICS PROJECTS						
30	GENERAL INFORMATION TECHNOLOGY		206,142		169,942		−36,200
31	AF GLOBAL COMMAND & CONTROL SYSTEM		2,582		2,582		
32	BATTLEFIELD AIRBORNE CONTROL NODE (BACN)		30				−30
33	MOBILITY COMMAND AND CONTROL		3,768		3,768		
34	AIR FORCE PHYSICAL SECURITY SYSTEM		208,704		209,811		+1,107
35	COMBAT TRAINING RANGES		346,340		343,290		−3,050
36	MINIMUM ESSENTIAL EMERGENCY COMM N		84,102		84,102		
37	WIDE AREA SURVEILLANCE (WAS)		11,594		11,594		
38	C3 COUNTERMEASURES		148,818		148,818		
40	GCSS–AF FOS						
41	DEFENSE ENTERPRISE ACCOUNTING AND MGMT						
42	MAINTENANCE REPAIR AND OVERHAUL INITIATIVE						
43	THEATER BATTLE MGT C2 SYS						
44	AIR AND SPACE OPERATIONS CTR–WPN SYSTEM		5,032		5,032		
	AIR FORCE COMMUNICATIONS						
46	INFORMATION TRANSPORT SYSTEMS		108,532		108,532		
47	AFNET		154,911		154,911		
48	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)		5,381		5,381		
49	USCENTCOM		18,025		11,896		−6,129
50	USSTRATCOM		4,436		4,436		
51	USSPACECOM		27,073		27,073		
	ORGANIZATION AND BASE						
52	TACTICAL C–E EQUIPMENT		226,819		220,348		−6,471
53	RADIO EQUIPMENT		30,407		30,407		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
54	BASE COMM INFRASTRUCTURE		113,563		152,350		+38,787
	MODIFICATIONS						
55	COMM ELECT MODS		98,224		115,224		+17,000
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP		2,241,837		2,458,351		+216,514
	OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT						
	PERSONAL SAFETY AND RESCUE EQUIP						
56	PERSONAL SAFETY AND RESCUE EQUIPMENT		60,473		61,473		+1,000
	DEPOT PLANT + MATERIALS HANDLING EQ						
57	POWER CONDITIONING EQUIPMENT		9,235		9,235		
58	MECHANIZED MATERIAL HANDLING		15,662		15,662		
	BASE SUPPORT EQUIPMENT						
59	BASE PROCURED EQUIPMENT		77,875		56,226		−21,649
60	ENGINEERING AND EOD EQUIPMENT		280,734		293,968		+13,234
61	MOBILITY EQUIPMENT		207,071		161,338		−45,733
62	FUELS SUPPORT EQUIPMENT (FSE)		218,790		148,394		−70,396
63	BASE SUPPORT		51,914		56,914		+5,000
	SPECIAL SUPPORT PROJECTS						
65	DARP RC135		28,882		28,882		
66	DCGS–AF		129,655		129,655		
70	SPECIAL UPDATE PROGRAM		1,042,833		1,042,833		
999	CLASSIFIED PROGRAMS		25,456,490		25,204,820		−251,670
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP		27,579,614		27,209,400		−370,214
	SPARE AND REPAIR PARTS						
71	SPARES AND REPAIR PARTS (CYBER)		1,032		1,032		
72	SPARES AND REPAIR PARTS		12,628		112,628		+100,000

	TOTAL, SPARE AND REPAIR PARTS	.....	13,660	.....	113,660	.....	+100,000
	TOTAL, OTHER PROCUREMENT, AIR FORCE	.....	30,417,892	.....	30,397,452	.....	−20,440

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
3	Cap Vehicles	1,027	2,000	+973
	Program increase			+973
4	Cargo and Utility Vehicles	45,036	47,338	+2,302
	Air Force requested transfer: From OPAF line P–11 to OPAF line P–4			+328
	Air Force requested transfer: From OMAF line 011R to OPAF line P–4 for vehicles programming error			+1,974
5	Joint Light Tactical Vehicle	57,780	42,615	−15,165
	Unjustified unit cost growth			−15,165
7	Special Purpose Vehicles	79,023	87,803	+8,780
	Air Force requested transfer: From OPAF line P–11 to OPAF line P–7			+340
	Air Force requested transfer: From OMAF line 011R to OPAF line P–7 for vehicles programming error			+3,440
	Program increase: R–11 refuelers for arctic operations			+5,000
9	Materials Handling Vehicles	73,805	75,895	+2,090
	Air Force requested transfer: From OPAF line P–11 to OPAF line P–9			+285
	Air Force requested transfer: From OMAF line 011R to OPAF line P–9 for vehicles programming error			+1,805
10	Runway Snow Remov And Cleaning Equ	22,030	34,030	+12,000
	Program increase: Snow removal equipment for arctic operations			+12,000
11	Base Maintenance Support Vehicles	223,354	245,634	+22,280
	Air Force requested transfer: From OPAF line P–11 to OPAF line P–4			−328
	Air Force requested transfer: From OPAF line P–11 to OPAF line P–7			−340
	Air Force requested transfer: From OPAF line P–11 to OPAF line P–9			−285
	Air Force requested transfer: From OMAF line 011R to OPAF line P–11 for vehicles programming error			+18,233
	Program increase: Base maintenance vehicles for arctic operations			+5,000
22	3D Expeditionary Long-Range Radar	83,735	295,235	+211,500
	Program increase: Additional Three-Dimensional Expeditionary Long Range Radars			+211,500
30	General Information Technology	206,142	169,942	−36,200
	Tactical Data Networks Enterprise: High Capacity Backbone contract termination			−36,200
32	Battlefield Airborne Control Node [BACN]	30		−30
	Program adjustment			−30
34	Air Force Physical Security System	208,704	209,811	+1,107
	Program delays			−2,893
	Program increase: Integrated Base Defense Security System community cybersecurity			+4,000
35	Combat Training Ranges	346,340	343,290	−3,050
	Unit cost growth: P6CTS			−3,050
49	USCENTCOM	18,025	11,896	−6,129
	Unjustified growth			−6,129
52	Tactical C–E Equipment	226,819	220,348	−6,471
	Early to need: Operational Control System (BAO Kit)			−55
	Unjustified growth: Mobile Communications System			−6,416
54	Base Comm Infrastructure	113,563	152,350	+38,787
	Unjustified growth			−9,618
	Program increase: European Communications Infrastructure (ECI)			+48,405
55	Comm Elect Mods	98,224	115,224	+17,000
	Program increase: ARCHER North Warning System			+17,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
56	Personal Safety and Rescue Equipment	60,473	61,473	+1,000
	Program increase: In-flight pilot physiological monitoring			+1,000
59	Base Procured Equipment	77,875	56,226	−21,649
	Project funded out of cycle			−8,700
	Project funded out of cycle			−18,216
	Unjustified growth			−10,733
	Program increase: Civil engineering survey equipment			+10,000
	Program increase: Disaster relief mobile kitchen trailer			+5,000
	Program increase: Training and equipment for KC–135 classic associations			+1,000
60	Engineering and EOD Equipment	280,734	293,968	+13,234
	Air Force requested transfer: From OMAF line 012Q to OPAF line P–60 for Radiological Detection Systems and Radioisotope Identification Devices programming error			+2,284
	Air Force requested transfer: From OMAF line 011R to OPAF line P–60 for vehicles programming error			+5,950
	Program increase: EOD directed energy systems (RADBO)			+5,000
61	Mobility Equipment	207,071	161,338	−45,733
	HVAC/ECU systems justification discrepancies			−7,621
	BEAR High Power Unit justification discrepancies			−7,731
	Unjustified growth			−55,581
	Air Force requested transfer: From OMAF line 011R to OPAF line P–61 for vehicles programming error			+25,200
62	Fuels Support Equipment [FSE]	218,790	148,394	−70,396
	Force servicing schedule discrepancies			−14,550
	Fuel storage bladders schedule discrepancies			−5,251
	Aerial Bulk Fuel Delivery System (ABFDS) / Agile Fueling System schedule discrepancies			−36,246
	All Terrain Berm Storage System schedule discrepancies			−7,215
	Cryogenics (LOX/LIN Tanks) unjustified unit cost growth			−7,134
63	Base Maintenance and Support Equipment	51,914	56,914	+5,000
	Program increase: Long-range radar site battery energy storage system			+5,000
999	Classified Programs	25,456,490	25,204,820	−251,670
	Classified adjustment			−251,670
72	Spares and Repair Parts	12,628	112,628	+100,000
	Program increase: Spares and repair parts			+100,000

PROCUREMENT, SPACE FORCE

Budget estimate, 2024 ..... $4,714,294,000
Committee recommendation 4,034,798,000

The Committee recommends an appropriation of $4,034,798,000. This is $679,496,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, SPACE FORCE						
	SPACE PROGRAMS						
1	AF SATELLITE COMM SYSTEM		64,345		64,345		
3	COUNTERSPACE SYSTEMS		52,665		52,665		
4	FAMILY OF BEYOND LINE–OF–SIGHT TERMINALS		25,057		25,057		
5	FABT FORCE ELEMENT TERMINAL		121,634		121,634		
6	WIDEBAND GAPFILLER SATELLITES (SPACE)						
7	GENERAL INFORMATION TECH—SPACE		3,451		3,451		
8	GPSIII FOLLOW ON	2	119,700	2	119,700		
9	GPS III SPACE SEGMENT		121,770		121,770		
10	GLOBAL POSTIONING (SPACE)		893		893		
11	HERITAGE TRANSITION		6,110				−6,110
12	JOINT TACTICAL GROUND STATIONS		580		580		
13	SPACEBORNE EQUIP (COMSEC)		83,168		50,766		−32,402
14	MILSATCOM		44,672		44,672		
15	SBIR HIGH (SPACE)		39,438		39,438		
16	SPECIAL SPACE ACTIVITIES		840,913		379,578		−461,335
17	MOBILE USER OBJECTIVE SYSTEM		101,147		101,147		
18	NATIONAL SECURITY SPACE LAUNCH	5	2,142,846	5	1,966,288		−176,558
19	NUDET DETECTION SYSTEM						
20	PTES HUB		56,482		56,482		
21	ROCKET SYSTEMS LAUNCH PROGRAM		74,848		71,757		−3,091
22	SPACE DEVELOPMENT AGENCY LAUNCH	3	529,468	3	529,468		
23	SPACE MODS		166,596		166,596		
24	SPACELIFT RANGE SYSTEM SPACE		114,505		114,505		
	TOTAL, SPACE PROGRAMS		4,710,288		4,030,792		−679,496
	SPARES						
25	SPARES AND REPAIR PARTS		906		906		

26	OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT POWER CONDITIONING EQUIPMENT	.....	3,100	.....	3,100	.....	.....
	TOTAL, PROCUREMENT, SPACE FORCE	.....	4,714,294	.....	4,034,798	.....	−679,496

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024budget estimate	Committee recommendation	Change from budget estimate
11	HERITAGE TRANSITION	6,110		−6,110
	Contract award delay			−6,110
13	Spaceborne Equip [COMSEC]	83,168	50,766	−32,402
	Excess to need			−32,402
16	Special Space Activities	840,913	379,578	−461,335
	Classified adjustment			−461,335
18	National Security Space Launch	2,142,846	1,966,288	−176,558
	Cost savings			−176,558
21	Rocket Systems Launch Program	74,848	71,757	−3,091
	Historical underexecution			−3,091

National Security Space Launch.—The Committee remains supportive of the National Security Space Launch [NSSL] program and notes the success the program has had in stabilizing the launch market, increasing competition, expanding the U.S. industrial base, and reducing costs associated with launch while maintaining nation's assured access to space. Additionally, the Committee remains committed to ensuring that the United States maintain its assured access to space through the Space Force's follow-on NSSL phase 3 effort. The Committee understands the development of its phase 3 acquisition strategy is nearing completion and supports a dual-lane construct. The Committee notes the continued growth of the commercial launch market and remains supportive of open competition for NSSL phase 3 lane 1.

The Committee continues to direct that the Secretary of Defense and the Director of National Intelligence utilize the Space Force launch enterprise phase 2 contract or phase 3 contract upon award for all NSSL class missions unless they certify to the congressional defense and intelligence committees that commercial launch or delivery on orbit procurement for a designated mission is in the national security interest of the government and outline the rationale for such a determination.

PROCUREMENT, DEFENSE-WIDE

Budget estimate, 2024	$6,156,975,000
Committee recommendation	6,059,196,000

The Committee recommends an appropriation of $6,059,196,000. This is $97,779,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	PROCUREMENT, DEFENSE–WIDE						
	MAJOR EQUIPMENT						
	MAJOR EQUIPMENT, DCSA						
29	MAJOR EQUIPMENT		2,135		2,135		
	MAJOR EQUIPMENT, DHRA						
43	PERSONNEL ADMINISTRATION		3,704		3,704		
	MAJOR EQUIPMENT, DISA						
11	INFORMATION SYSTEMS SECURITY		12,275		10,012		−2,263
12	TELEPORT PROGRAM		42,399		42,399		
13	JOINT FORCES HEADQUARTERS—DODIN						
14	ITEMS LESS THAN $5M		47,538		47,538		
15	DEFENSE INFORMATION SYSTEMS NETWORK		39,472		39,472		
16	WHITE HOUSE COMMUNICATION AGENCY		118,523		103,689		−14,834
17	SENIOR LEADERSHIP ENTERPRISE		94,591		94,591		
18	JOINT REGIONAL SECURITY STACKS (JRSS)		22,714		22,714		
19	JOINT SERVICE PROVIDER		107,637		107,637		
20	FOURTH ESTATE NETWORK OPTIMIZATION (4ENO)		33,047		33,047		
	MAJOR EQUIPMENT, DLA						
28	MAJOR EQUIPMENT		30,355		30,134		−221
	MAJOR EQUIPMENT, DMACT						
50	MAJOR EQUIPMENT		13,012		13,012		
	MAJOR EQUIPMENT, DODEA						
49	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS		1,358		1,358		
	MAJOR EQUIPMENT, DPAA						
1	MAJOR EQUIPMENT, DPAA	10	516	10	516		
	MAJOR EQUIPMENT, DSS						
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY						
46	VEHICLES		366		356		−10
47	OTHER MAJOR EQUIPMENT		12,787		12,787		

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
48	DTRA CYBER ACTIVITIES	.....	21,413	.....	19,964	.....	−1,449
	MAJOR EQUIPMENT, MDA						
31	THAAD SYSTEM	11	216,782	11	216,782	.....	.....
32	GROUND BASED MIDCOURSE	.....	.....	.....	.....	.....	.....
33	AEGIS BMD	27	374,756	27	374,756	.....	.....
35	BMDS AN/TPY–2 RADARS	.....	29,108	.....	29,108	.....	.....
36	SM–3 IIAS	12	432,824	12	432,824	.....	.....
37	ARROW 3 UPPER TIER SYSTEMS	1	80,000	1	80,000	.....	.....
38	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	1	40,000	1	40,000	.....	.....
39	DEFENSE OF GUAM PROCUREMENT	1	169,627	1	169,627	.....	.....
40	AEGIS ASHORE PHASE III	.....	2,390	.....	2,390	.....	.....
41	IRON DOME SYSTEM	1	80,000	1	80,000	.....	.....
42	AEGIS BMD HARDWARE AND SOFTWARE	9	27,825	9	27,825	.....	.....
	MAJOR EQUIPMENT, NSA						
47	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	.....	.....	.....	.....	.....	.....
	MAJOR EQUIPMENT, OSD						
2	MAJOR EQUIPMENT, OSD	.....	286,006	.....	186,006	.....	−100,000
	MAJOR EQUIPMENT, TJS						
30	MAJOR EQUIPMENT, TJS	.....	3,747	.....	3,747	.....	.....
	MAJOR EQUIPMENT, USCYBERCOM						
51	CYBERSPACE OPERATIONS	.....	129,082	.....	93,980	.....	−35,102
	MAJOR EQUIPMENT, WHS						
10	MAJOR EQUIPMENT, WHS	.....	.....	.....	.....	.....	.....
999	CLASSIFIED PROGRAMS	.....	658,529	.....	738,857	.....	+80,328
	TOTAL, MAJOR EQUIPMENT	.....	3,134,518	.....	3,060,967	.....	−73,551
	SPECIAL OPERATIONS COMMAND						
	AVIATION PROGRAMS						
53	ARMED OVERWATCH/TARGETING	12	266,846	12	264,688	.....	−2,158

54	MANNED ISR		7,000		6,000		−1,000
55	MC–12		600		600		
57	SOF ROTARY WING UPGRADES AND SUSTAINMENT		261,012		249,419		−11,593
58	Unmanned ISR		26,997		22,437		−4,560
59	NON–STANDARD AVIATION		25,782		21,782		−4,000
60	U–28		7,198		5,915		−1,283
61	MH–47 CHINOOK		149,883		149,883		
62	CV–22 MODIFICATION		75,981		75,981		
63	MQ–9 UNMANNED AERIAL VEHICLE		17,684		12,336		−5,348
64	PRECISION STRIKE PACKAGE		108,497		104,380		−4,117
65	AC/MC–130J		319,754		300,812		−18,942
66	C–130 MODIFICATIONS		18,796		18,796		
	SHIPBUILDING						
67	UNDERWATER SYSTEMS		66,111		57,521		−8,590
	AMMUNITION PROGRAMS						
68	SOF ORDNANCE ITEMS UNDER $5,000,000		147,831		143,577		−4,254
	OTHER PROCUREMENT PROGRAMS						
69	SOF INTELLIGENCE SYSTEMS		203,400		203,400		
70	DCGS–SOF		5,718		5,718		
71	OTHER ITEMS UNDER $5,000,000		108,816		104,422		−4,394
72	SOF COMBATANT CRAFT SYSTEMS		55,064		55,064		
73	SPECIAL PROGRAMS		20,412		20,412		
74	TACTICAL VEHICLES		56,561		61,461		+4,900
75	WARRIOR SYSTEMS UNDER $5,000,000		329,837		373,772		+43,935
76	COMBAT MISSION REQUIREMENTS		4,987		4,987		
77	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE		23,639		23,639		
78	SOF OPERATIONAL ENHANCEMENTS		322,341		322,341		
	TOTAL, SPECIAL OPERATIONS COMMAND		2,630,747		2,609,343		−21,404
	CHEMICAL/BIOLOGICAL DEFENSE						
79	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS		159,884		149,631		−10,253
80	CB PROTECTION AND HAZARD MITIGATION		231,826		239,255		+7,429
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE		391,710		388,886		−2,824
	TOTAL, PROCUREMENT, DEFENSE–WIDE		6,156,975		6,059,196		−97,779

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
2	Major Equipment, OSD	286,006	186,006	−100,000
	C-sUAS lack of acquisition strategy			−100,000
11	Information Systems Security	12,275	10,012	−2,263
	Thunderdome ahead of need			−2,263
16	White House Communication Agency	118,523	103,689	−14,834
	Ahead of need			−14,834
28	Major Equipment	30,355	30,134	−221
	PCMV lack of acquisition plan			−221
46	Vehicles	366	356	−10
	Early to need			−10
48	DTRA Cyber Activities	21,413	19,964	−1,449
	Ahead of need			−1,449
51	Cyberspace Operations	129,082	93,980	−35,102
	Unjustified growth: Joint Common Access Platform			−22,159
	Unjustified growth: DMSS			−4,445
	Unjustified growth: Training			−8,498
999	Classified Programs	658,529	738,857	+80,328
	Classified adjustment			+80,328
53	Armed Overwatch/Targeting	266,846	264,688	−2,158
	Support equipment previously funded			−2,158
54	Manned ISR	7,000	6,000	−1,000
	Low Cost modifications carryover			−1,000
57	Rotary Wing Upgrades and Sustainment	261,012	249,419	−11,593
	MPU Radios and Networking unit cost growth			−5,460
	MH–60 A kit unit cost growth			−1,186
	MH–60 B kit unit cost growth			−584
	ASE B–Kits early to need			−5,646
	Degraded Visual Environment production support excess growth			−717
	Program increase: Degraded visual environment pilotage system			+2,000
58	Unmanned ISR	26,997	22,437	−4,560
	LEA contract savings			−4,560
59	Non-Standard Aviation	25,782	21,782	−4,000
	Theater Basing Initiatives excess to need			−4,000
60	U–28	7,198	5,915	−1,283
	Low cost modifications unjustified growth			−1,283
63	MQ–9 Unmanned Aerial Vehicle	17,684	12,336	−5,348
	AAE early to need			−5,348
64	Precision Strike Package	108,497	104,380	−4,117
	B kits unit cost growth			−4,117
65	AC/MC–130J	319,754	300,812	−18,942
	RFCM A-kit unit cost growth			−833
	RFCM interim contractor support previously funded			−3,109
	RFCM Tech Refresh early to need			−15,000
67	Underwater Systems	66,111	57,521	−8,590
	Dry Combat Submersible article system and minor modification ahead of need			−2,199
	SOF Combat Diving diver propulsion unit cost growth			−6,391
68	Ordnance Items <$5M	147,831	143,577	−4,254
	GOPSS crew-served munitions unit cost growth			−3,456
	GOPSS Man-Packable PSS Munitions unit cost growth			−798
71	Other Items <$5M	108,816	104,422	−4,394
	Integration excess growth			−2,709
	BDP Light early to need			−1,685
74	Tactical Vehicles	56,561	61,461	+4,900
	JLTV mod kits unit cost growth			−3,080
	JLTV support excess growth			−2,020
	Program increase			+10,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
75	Warrior Systems <$5M	329,837	373,772	+43,935
	RAA/VAK unit cost growth			−2,665
	Program increase: Counter-unmanned systems capabilities			+40,600
	Program increase: Resilient waveform communications capability			+5,000
	Program increase: Enhanced night vision devices			+1,000
79	Chemical Biological Situational Awareness	159,884	149,631	−10,253
	AVCAD early to need			−2,458
	JCAD SLA unit cost savings			−770
	JBTDS early to need			−7,025
80	CB Protection & Hazard Mitigation	231,826	239,255	+7,429
	UIPE FOS AIR excess engineering support growth			−383
	SPU RCDD early to need			−3,756
	AAS support cost excess growth			−432
	Program increase: Protective clothing			+2,000
	Program increase: Smallpox antiviral treatment			+10,000

Aerospace Bearing Repair and Refurbishment.—The Committee is concerned that defense acquisition practices may prevent domestic independent bearing repair service providers from participating in aerospace bearing repair and refurbishment solicitations. Therefore, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 180 days after the enactment of this act that examines the participation rates of independent service providers for these solicitations. The report should identify any potential cost, schedule, and performance benefits and include comparative data from previous awards relative to past performance. This includes cost overruns or schedule delays, the ability and capacity to provide ongoing life cycle product support, and the ability to meet technical requirements of the request for proposal for such services.

DEFENSE PRODUCTION ACT PURCHASES

Budget estimate, 2024 ..... $968,605,000
Committee recommendation 431,212,000

The Committee recommends an appropriation of $431,212,000. This is $537,393,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
	DEFENSE PRODUCTION ACT PURCHASES						
1	DEFENSE PRODUCTION ACT PURCHASES	.....	968,605	.....	431,212	.....	−537,393

[Dollars in thousands]

Line	Item	Qty.	2024 budget estimate	Qty.	Committee recommendation	Change from	
						Qty.	Budget estimate
1	TOTAL, DEFENSE PRODUCTION ACT PURCHASES	.....	968,605	.....	431,212	.....	−537,393
	NATIONAL GUARD AND RESERVE EQUIPMENT	.....	.....	.....	850,000	.....	+850,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Production Act Purchases	968,605	431,212	−537,393
	Prior year underexecution	.....	.....	−583,393
	Program increase: Aluminum-scandium master alloy production	.....	.....	+10,000
	Program increase: Domestic aluminum casting	.....	.....	+23,000
	Program increase: Heavy forging capacity improvement program	.....	.....	+8,000
	Program increase: Manufacturing of hypersonic components	.....	.....	+5,000

Defense Production Act.—The Committee continues to support the Department's use of the authorities provided in Title III of the Defense Production Act [DPA] to strengthen domestic industrial base capabilities essential to national defense, and recognizes the important role of the DPA to incentivize the creation, expansion, and preservation of the defense industrial base. However, the Committee notes that the DPA program continues to carry forward significant balances of previously appropriated funds, diminishing the Committee's confidence in the program's ability to prudently manage and obligate resources requested in fiscal year 2024. Therefore, the Committee recommends a reduction of $537,393,000 to the request.

While the Committee understands that the program has taken steps to increase its existing contracting resources, it encourages the Undersecretary of Defense (Acquisition and Sustainment) to continue investing in increasing internal capacity and management controls to improve the program's ability to formulate and execute future year requests. Additionally the Committee encourages the Department to consider additional mechanisms that could facilitate more engagement with the industrial base, to include program management strategies that would result in the delivery of timelier feedback to white papers submitted by industry partners.

Silicon and Germanium Crystals for Optical Components.—The Committee understands the optical component industry grows silicon and germanium crystals that are machined, polished and coated into lenses and windows for use in electro-optical and infrared night vision devices and targeting systems. The Committee also understands many optical components in U.S. defense systems are

sourced from China, which may present a national security concern. The Committee directs the Secretary of Defense to conduct a review of the sourcing of silicon and germanium optical components in U.S. defense systems and provide a report to the Committee not later than 90 days after the enactment of this act. The Committee encourages the Secretary of Defense to develop specific plans to phase out the procurement of Chinese silicon and germanium optical components and support domestic growth and component manufacturing requirements through investments under the Defense Production Act's Title III Program as appropriate.

NATIONAL GUARD AND RESERVE EQUIPMENT

Budget estimate, 2024 .....
Committee recommendation $850,000,000

The Committee recommends an appropriation of $850,000,000. This is $850,000,000 above the budget estimate.

The appropriation includes direction for the component commanders of the Army Reserve, Navy Reserve, Marine Forces Reserve, Air Force Reserve, Army National Guard, and Air National Guard to submit to the congressional defense committees a detailed assessment of their component's modernization priorities, not later than 30 days after enactment of this act.

COMMITTEE RECOMMENDED PROGRAM

The following table details the program recommended by the Committee:

[In thousands of dollars]

Item	2024 budget estimate	Committee recommendation	Change from budget estimate
NATIONAL GUARD AND RESERVE EQUIPMENT ACCOUNT			
RESERVE EQUIPMENT:			
ARMY RESERVE:			
Program increase: Miscellaneous equipment	.....	119,787	+119,787
NAVY RESERVE:			
Program increase: Miscellaneous equipment	.....	50,722	+50,722
MARINE CORPS RESERVE:			
Program increase: Miscellaneous equipment	.....	21,284	+21,284
AIR FORCE RESERVE:			
Program increase: Miscellaneous equipment	.....	124,944	+124,944
TOTAL, RESERVE EQUIPMENT	.....	316,737	+316,737
NATIONAL GUARD EQUIPMENT:			
ARMY NATIONAL GUARD:			
Program increase: Miscellaneous equipment	.....	278,135	+278,135
AIR NATIONAL GUARD:			
Program increase: Miscellaneous equipment	.....	255,128	+255,128
TOTAL, NATIONAL GUARD EQUIPMENT	.....	533,263	+533,263
TOTAL, NATIONAL GUARD AND RESERVE EQUIPMENT	.....	850,000	+850,000

High-Priority Items.—The Committee directs that the National Guard and Reserve Equipment account shall be executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: aircraft wash systems;

lightweight, rapidly deployable, computer-based, artillery call for fire training and simulation; vehicle-mounted, man-portable radiological nuclear detection systems; modular small arms ranges and small arms training simulators and tools; ballistically tolerant auxiliary fuel systems; KC–135 aircraft forward area refueling/defueling stations; modern acoustic and thermal aviation blankets; high mobility multi-purpose wheeled vehicle modernization; M917A3 heavy dump trucks; land surveying systems; laser chemical threat detection systems; and aviation fleet management dashboard software. The Committee further directs that, for purposes of prioritizing the execution of funds, consideration be given to the defense industrial base and its workforce in addition to military requirements.

TITLE IV

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

Funds appropriated under this title provide the resources required to conduct a program of research, development, test and evaluation, including basic research, applied research, advanced technology development, advanced component development and prototypes, system development and demonstration, operational systems development; as well as software and digital technology pilot programs.

The President's fiscal year 2024 budget requests a total of $144,879,625,000 for research, development, test and evaluation appropriations.

SUMMARY OF COMMITTEE ACTION

The Committee recommends research, development, test and evaluation appropriations totaling $143,382,724,000 for fiscal year 2024. This is $1,496,901,000 below the budget estimate.

Committee recommended research, development, test and evaluation appropriations for fiscal year 2024 are summarized below:

SUMMARY OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

[In thousands of dollars]

Account	2024 budget estimate	Committee recommendation	Change from budget estimate
Research, Development, Test and Evaluation:			
Research, Development, Test and Evaluation, Army	15,775,381	15,893,354	+117,973
Research, Development, Test and Evaluation, Navy	26,922,225	26,362,009	−560,216
Research, Development, Test and Evaluation, Air Force	46,565,356	45,675,802	−889,554
Research, Development, Test and Evaluation, Space Force	19,199,340	18,842,930	−356,410
Research, Development, Test and Evaluation, Defense-Wide	36,085,834	36,271,140	+185,306
Operational Test and Evaluation, Defense	331,489	337,489	+6,000
Total	144,879,625	143,382,724	−1,496,901

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

The Secretary of Defense is directed to continue to follow the reprogramming guidance as specified in the report accompanying the House version of the Department of Defense appropriations bill for fiscal year 2008 (House Report 110–279). The dollar threshold for reprogramming funds will increase to $15,000,000 for procurement and research, development, test and evaluation.

Also, the Under Secretary of Defense (Comptroller) is directed to continue to provide the congressional defense committees quarterly, spreadsheet-based DD Form 1416 reports for service and defense-wide accounts in titles III and IV of this act. Reports for titles III and IV shall comply with guidance specified in the explanatory

statement accompanying the Department of Defense Appropriations Act for Fiscal Year 2006. The Department shall continue to follow the limitation that prior approval reprogrammings are set at either the specified dollar threshold or 20 percent of the procurement or research, development, test and evaluation line, whichever is less. These thresholds are cumulative from the base for reprogramming value as modified by any adjustments. Therefore, if the combined value of transfers into or out of a procurement (P–1), or a research, development, test and evaluation (R–1) line exceeds the identified threshold, the Secretary of Defense must submit a prior approval reprogramming to the congressional defense committees. In addition, guidelines on the application of prior approval reprogramming procedures for congressional special interest items are established elsewhere in this explanatory statement.

FUNDING INCREASES

The funding increases outlined in the tables accompanying each appropriation account shall be provided only for the specific purposes indicated in the tables of Committee Recommended Adjustments. The Committee directs that funding increases shall be competitively awarded, or provided to programs that have received competitive awards in the past.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the tables detailing Committee Recommended Adjustments or in paragraphs using the phrase "only for" or "only to" are congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Each of these items must be carried on the DD Form 1414 at the stated amount, as specifically addressed elsewhere in this explanatory statement.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION OVERVIEW

Reporting on Mid-Tier Acquisition and Rapid Prototyping Programs.—The Committee remains supportive of efforts to accelerate the delivery of capability to the warfighter, including through the use of rapid acquisition authorities and contracting strategies provided in existing law, such as the middle-tier acquisition ("section 804") of warfighter capabilities.

As in prior years, the Committee directs the Under Secretaries of Defense (Research and Engineering) and (Acquisition and Sustainment), in coordination with the service acquisition executives for the Army, Navy, Air Force, and Space Force, to provide to the congressional defense committees with submission of the fiscal year 2025 President's budget request a complete list of approved acquisition programs, and programs pending approval in fiscal year 2025, utilizing prototyping or accelerated acquisition authorities, the rationale for each selected acquisition strategy, and a cost estimate and contracting strategy for each such program. Further, the Under Secretary of Defense (Comptroller) and the Assistant Secretaries (Financial Management and Comptroller) for

the Army, Navy, and Air Force, are directed to certify full funding of the acquisition strategies for each of these programs in the fiscal year 2025 President's budget request, including their test strategies; finally, the Director, Operational Test and Evaluation, is directed to certify to the congressional defense committees the appropriateness of the services' planned test strategies for such programs, to include a risk assessment.

Further, the Committee directs the Undersecretary of Defense (Intelligence and Security) to certify to the congressional defense committees that the services have conducted a valid lifecycle threat review. To the extent that the respective service acquisition executives, service financial manager and comptrollers, and Director, Operational Test and Evaluation, provided the information requested above with submission of the fiscal year 2024 President's budget, any variations thereto should be included with the fiscal year 2025 submission. In addition, the services' financial manager and comptrollers are directed to identify the full costs for prototyping units by individual item in the research, development, test and evaluation budget exhibits for the budget year as well as the Future Years Defense Program.

Other Transaction Agreements.—Pursuant to section 873 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115–232), as amended by section 819 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) and the Joint Explanatory Statement accompanying the Department of Defense and Labor, Health and Human Services, and Education Appropriations Act for 2019 (Public Law 115–245), the Department of Defense is required to meet annual and quarterly reporting requirements regarding the use of Other Transaction Authority [OTA]. The Committee notes the continued importance of this reporting requirement, particularly given the increased use of consortia to facilitate OTAs and difficulty in readily identifying the actual performing vendor. The Committee encourages the Under Secretary of Defense for Acquisition and Sustainment to monitor the services individual utilization rates of OTAs and ensure that the guidance surrounding their use is consistent across the services.

Therefore, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment) to continue the previously established reporting requirements. Further, the Committee directs the Under Secretary of Defense (Acquisition and Sustainment), not later than 60 days following enactment of this act, to submit a report to the congressional defense committees on the Department's use of OTA agreements in fiscal year 2023, to include an analysis of the relative success rates of follow-on production contracts initiated after the conclusion of initial OTA agreements in comparison to lessons learned from conventional Federal Acquisition Regulation-based acquisitions. In addition, the report shall include an appendix that identifies the policy for financial reporting of OTAs with specifics on the data collection requirements.

Basic Research Spending.—The fiscal year 2024 President's budget request includes $2,479,661,000 for basic research activities, a reduction of $439,279,000 from the fiscal year 2023 enacted amounts. The Committee strongly supports investments in basic

research and notes that the Department must continue to make meaningful advancements in next-generation technologies in order to achieve the objectives outlined in the National Defense Strategy. Furthermore, investments in basic research spending enable national labs and universities to make needed instrumentation upgrades, as well as attract, grow and retain talent, laying the foundation for decades of future research gains. Therefore, the Committee recommends an additional $743,251,000 as detailed within the tables of Committee Recommended Adjustments in title IV, to support basic research spending within the Department.

Software and Digital Technology Pilot Programs.—As detailed in the reporting requirements outlined in the Joint Explanatory Statement accompanying the Department of Defense Appropriations Act, 2021 (Public Law 116–260), Department of Defense Appropriations Act, 2022 (Public Law 117–103), and the Department of Defense Appropriations Act, 2023 (Public Law 117–328) the Secretary of Defense shall submit quarterly reports to the congressional defense committees detailing the Department's assessment for each of the programs included in section 8102 of title VIII of this act. This report shall include, at a minimum: quantitative and qualitative metrics; an assessment of eight similar programs, with representations from each service, funded through traditional appropriation legislation for comparison; an assessment of each pilot program against their own historical performance when funded through traditional appropriation legislation; as well as an assessment of prior year BA 08 execution by activity compared to planned execution in the respective budget request.

Disclosure requirements for recipients of research and development funds.—The Committee urges the full disclosure of Federal support and transparency by recipients of Department of Defense research and development grants and understands Title 10, United States Code, Section 4207, now explicitly provides effective disclosure requirements for these purposes. Therefore, the Committee directs the Secretary of Defense, not later than 60 days after the date of enactment of this act to provide a report to the congressional defense committees detailing plans for ensuring compliance with Title 10, United States Code, Section 4207, including enforcement actions, related to disclosure of Federal funds.

Certification of Solid Rocket Motor Suppliers.—The Committee is concerned with the shortfall of critical munitions and the certification barriers that are creating a diminished and uncompetitive domestic supplier base for solid rocket motors. The Committee encourages the Deputy Assistant Secretary of Defense for Industrial Policy to establish timely certification standards for new entrant providers of solid rocket motors. These certification standards would ideally leverage the Ballistic Test and Evaluation System for measuring solid rocket propellant performance. Any new standards would address all sizes of rocket motors and set the standard for domestic suppliers to rapidly enter the supplier market and address the Nation's critical munition shortfalls.

Eglin Gulf Test and Training Range.—Not later than 90 days after enactment of this act, the Secretary of the Air Force shall provide a report to the Committees on Appropriations of the House of Representatives and the Senate on the impacts to testing and

training within the Eglin Gulf Test and Training Range [EGTTR] as a result of the National Oceanic and Atmospheric Administration's proposed rule related to designation of critical habitat for the Rice's Whale. The report shall include the estimated impact to readiness should the rule be finalized and the total cost, to include man-hours, required to change test and training missions locations previously planned for EGTTR.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

Budget estimate, 2024 ..... $15,775,381,000
Committee recommendation 15,893,354,000

The Committee recommends an appropriation of $15,893,354,000. This is $117,973,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	296,670	361,670	+65,000
2	UNIVERSITY RESEARCH INITIATIVES	75,672	175,672	+100,000
3	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	108,946	118,946	+10,000
4	CYBER COLLABORATIVE RESEARCH ALLIANCE	5,459	5,459	
5	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASIC RESEARCH	10,708	10,708	
	TOTAL, BASIC RESEARCH	497,455	672,455	+175,000
	APPLIED RESEARCH			
6	ARMY AGILE INNOVATION AND DEVELOPMENT–APPLIED RESEARCH	5,613	1,000	−4,613
8	COUNTER IMPROVISED–THREAT ADVANCED STUDIES	6,242	6,242	
9	LETHALITY TECHNOLOGY	85,578	113,696	+28,118
10	ARMY APPLIED RESEARCH	34,572	34,572	
11	SOLDIER LETHALITY TECHNOLOGY	104,470	168,770	+64,300
12	GROUND TECHNOLOGY	60,005	249,505	+189,500
13	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	166,500	219,000	+52,500
14	NETWORK C3I TECHNOLOGY	81,618	122,618	+41,000
15	LONG RANGE PRECISION FIRES TECHNOLOGY	34,683	73,183	+38,500
16	FUTURE VERTICAL LIFT TECHNOLOGY	73,844	79,344	+5,500
17	AIR AND MISSILE DEFENSE TECHNOLOGY	33,301	58,801	+25,500
18	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES	24,142	27,142	+3,000
19	ALL DOMAIN CONVERGENCE APPLIED RESEARCH	14,297	14,297	
20	C3I APPLIED RESEARCH	30,659	32,659	+2,000
21	AIR PLATFORM APPLIED RESEARCH	48,163	49,663	+1,500
22	SOLDIER APPLIED RESEARCH	18,986	18,986	
23	C3I APPLIED CYBER	22,714	22,714	
24	BIOTECHNOLOGY FOR MATERIALS—APPLIED RESEARCH	16,736	16,736	
25	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	19,969	19,969	
26	MEDICAL TECHNOLOGY	66,266	126,500	+60,234
	TOTAL, APPLIED RESEARCH	948,358	1,455,397	+507,039

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	ADVANCED TECHNOLOGY DEVELOPMENT			
27	MEDICAL ADVANCED TECHNOLOGY	4,147	18,881	+14,734
28	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	16,316	16,316	
29	ARMY AGILE INNOVATION AND DEMONSTRATION	23,156	23,156	
30	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ADVANCED TECHNOLOGIES	13,187	24,687	+11,500
31	ALL DOMAIN CONVERGENCE ADVANCED TECHNOLOGY	33,332	23,618	−9,714
32	C3I ADVANCED TECHNOLOGY	19,225	19,225	
33	AIR PLATFORM ADVANCED TECHNOLOGY	14,165	14,165	
34	SOLDIER ADVANCED TECHNOLOGY	1,214	1,214	
36	LETHALITY ADVANCED TECHNOLOGY	20,582	31,755	+11,173
37	ARMY ADVANCED TECHNOLOGY DEVELOPMENT	136,280	136,280	
38	SOLDIER LETHALITY ADVANCED TECHNOLOGY	102,778	124,778	+22,000
39	GROUND ADVANCED TECHNOLOGY	40,597	155,097	+114,500
40	COUNTER IMPROVISED–THREAT SIMULATION	21,672	21,672	
41	BIOTECHNOLOGY FOR MATERIALS—ADVANCED RESEARCH	59,871	59,871	
42	C3I CYBER ADVANCED DEVELOPMENT	28,847	28,847	
43	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	255,772	255,772	
44	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY	217,394	347,528	+130,134
45	NETWORK C3I ADVANCED TECHNOLOGY	105,549	144,549	+39,000
46	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	153,024	159,024	+6,000
47	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	158,795	173,295	+14,500
48	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY	21,015	57,015	+36,000
49	HUMANITARIAN DEMINING	9,068	23,068	+14,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	1,455,986	1,859,813	+403,827
	ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES			
51	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	12,904	22,904	+10,000
52	ARMY SPACE SYSTEMS INTEGRATION	19,120	24,120	+5,000
53	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING			
54	LANDMINE WARFARE AND BARRIER—ADV DEV	47,537	47,537	
55	TANK AND MEDIUM CALIBER AMMUNITION	91,323	93,323	+2,000
56	ARMORED SYSTEM MODERNIZATION—ADV DEV	43,026	50,026	+7,000
57	SOLDIER SUPPORT AND SURVIVABILITY	3,550	3,550	
58	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV	65,567	65,567	
59	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	73,675	38,075	−35,600
60	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL	31,720	22,220	−9,500
61	NATO RESEARCH AND DEVELOPMENT	4,143	4,143	
62	AVIATION—ADV DEV	1,502,160	1,466,310	−35,850
62A	FUTURE ATTACK—RECONNAISSANCE AIRCRAFT (FARA)			
62B	FUTURE LONG RANGE ASSAULT AIRCRAFT			
63	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV	7,604	19,604	+12,000
64	MEDICAL SYSTEMS—ADV DEV	1,602	3,602	+2,000
65	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT	27,681	34,481	+6,800
66	ROBOTICS DEVELOPMENT	3,024	3,024	
67	EXPANDED MISSION AREA MISSILE (EMAM)	97,018	97,018	
68	CROSS FUNCTIONAL TEAM (CFT) ADVANCED DEVELOPMENT & PROTOTYPING	117,557	49,390	−68,167
69	LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY	38,851	38,851	
70	MULTI–DOMAIN SENSING SYSTEM (MDSS) ADV DEV	191,394	191,394	
71	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) ADV DEV	10,626	10,626	
72	ANALYSIS OF ALTERNATIVES	11,095	11,095	
73	SMALL UNMANNED AERIAL VEHICLE (SUAV) (64)	5,144	5,144	
74	ELECTRONIC WARFARE PLANNING AND MANAGEMENT TOOL (EWPMT)	2,260	2,260	
75	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	53,143	96,143	+43,000
76	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	816,663	417,663	−399,000
77	TECHNOLOGY MATURATION INITIATIVES	281,314	226,993	−54,321

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
78	MANEUVER—SHORT RANGE AIR DEFENSE (M–SHORAD)	281,239	273,994	−7,245
79	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING	204,914	204,914	
80	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	40,930	55,930	+15,000
81	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	109,714	109,714	
82	COUNTER IMPROVISED–THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING	16,426	16,426	
83	STRATEGIC MID–RANGE FIRES	31,559	31,559	
84	HYPERSONICS	43,435	48,435	+5,000
85	FUTURE INTERCEPTOR	8,040	8,040	
86	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS ADVANCED DEVELOPMENT	64,242	44,242	−20,000
87	UNIFIED NETWORK TRANSPORT	40,915	40,915	
90	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT			
999	CLASSIFIED PROGRAMS	19,200	19,200	
	TOTAL, ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	4,420,315	3,898,432	−521,883
	SYSTEM DEVELOPMENT & DEMONSTRATION			
91	AIRCRAFT AVIONICS	13,673	13,673	
92	ELECTRONIC WARFARE DEVELOPMENT	12,789	12,789	
93	INFANTRY SUPPORT WEAPONS	64,076	64,076	
94	MEDIUM TACTICAL VEHICLES	28,226	28,226	
95	JAVELIN	7,827	7,827	
96	FAMILY OF HEAVY TACTICAL VEHICLES	44,197	41,697	−2,500
97	AIR TRAFFIC CONTROL	1,134	1,134	
98	TACTICAL UNMANNED GROUND VEHICLE (TUGV)	142,125	122,500	−19,625
99	LIGHT TACTICAL WHEELED VEHICLES	53,564	53,564	
100	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV	102,201	99,201	−3,000
101	NIGHT VISION SYSTEMS—ENG/DEV	48,720	149,149	+100,429
102	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,223	2,223	
103	NON–SYSTEM TRAINING DEVICES—ENG/DEV	21,441	21,441	
104	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG/DEV	74,738	74,738	
105	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	30,985	30,985	
106	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	13,626	13,626	
107	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG/DEV	8,802	8,802	
108	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	20,828	20,828	
109	WEAPONS AND MUNITIONS—ENG/DEV	243,851	251,851	+8,000
110	LOGISTICS AND ENGINEER EQUIPMENT—ENG/DEV	37,420	64,420	+27,000
111	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG/DEV	34,214	39,214	+5,000
112	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	6,496	6,496	
113	LANDMINE WARFARE/BARRIER—ENG/DEV	13,581	13,581	
114	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	168,574	168,574	
115	RADAR DEVELOPMENT	94,944	94,944	
116	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	2,965	2,965	
117	SOLDIER SYSTEMS—WARRIOR DEM/VAL	11,333	19,333	+8,000
118	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD	79,250	78,050	−1,200
119	ARTILLERY SYSTEMS—EMD	42,490	47,490	+5,000
120	INFORMATION TECHNOLOGY DEVELOPMENT	104,024	79,488	−24,536
121	INTEGRATED PERSONNEL AND PAY SYSTEM–ARMY (IPPS–A)	102,084	67,151	−34,933
123	JOINT TACTICAL NETWORK CENTER (JTNC)	18,662	18,662	
124	JOINT TACTICAL NETWORK (JTN)	30,328	30,328	
125	COMMON INFRARED COUNTERMEASURES (CIRCM)	11,509	11,509	
126	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD)	1,050	1,050	
128	DEFENSIVE CYBER TOOL DEVELOPMENT	27,714	30,586	+2,872
129	TACTICAL NETWORK RADIO SYSTEMS (LOW–TIER)	4,318	4,318	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
130	CONTRACT WRITING SYSTEM	16,355	8,355	−8,000
131	MISSILE WARNING SYSTEM MODERNIZATION (MWSM)	27,571	27,571	
132	AIRCRAFT SURVIVABILITY DEVELOPMENT	24,900	24,900	
133	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1	196,248	170,989	−25,259
134	GROUND ROBOTICS	35,319	17,337	−17,982
135	EMERGING TECHNOLOGY INITIATIVES	201,274	201,274	
136	BIOMETRICS ENABLING CAPABILITY (BEC)			
137	NEXT GENERATION LOAD DEVICE—MEDIUM	36,970	36,970	
139	TACTICAL INTEL TARGETING ACCESS NODE (TITAN) EMD	132,136	132,136	
140	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	81,657	81,657	
141	SMALL UNMANNED AERIAL VEHICLE (SUAV) (65)	31,284	27,361	−3,923
142	CI AND HUMINT EQUIPMENT PROGRAM–ARMY (CIHEP–A)	2,170	2,170	
143	JOINT TARGETING INTEGRATED COMMAND AND COORDINATION SUITE (JTIC2S)	9,290	9,290	
144	MULTI–DOMAIN INTELLIGENCE	41,003	6,206	−34,797
146	PRECISION STRIKE MISSILE (PRSM)	272,786	272,786	
147	HYPERSONICS EMD	900,920	900,920	
148	ACCESSIONS INFORMATION ENVIRONMENT (AIE)	27,361	14,946	−12,415
149	STRATEGIC MID–RANGE CAPABILITY	348,855	348,855	
150	INTEGRATED TACTICAL COMMUNICATIONS	22,901	22,901	
151	JOINT AIR–TO–GROUND MISSILE (JAGM)	3,014	3,014	
152	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	284,095	284,095	
153	COUNTER—SMALL UNMANNED AIRCRAFT SYSTEMS SYS DEV & DEMONSTRATION	36,016	36,016	
154	MANNED GROUND VEHICLE	996,653	586,453	−410,200
155	NATIONAL CAPABILITIES INTEGRATION (MIP)	15,129	15,129	
156	JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING DEVELOPMENT	27,243	27,243	
157	AVIATION GROUND SUPPORT EQUIPMENT	1,167	1,167	
158	TROJAN—RH12	3,879	3,879	
159	ELECTRONIC WARFARE DEVELOPMENT	137,186	121,986	−15,200
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	5,639,364	5,182,095	−457,269
	MANAGEMENT SUPPORT			
160	THREAT SIMULATOR DEVELOPMENT	38,492	50,492	+12,000
161	TARGET SYSTEMS DEVELOPMENT	11,873	11,873	
162	MAJOR T&E INVESTMENT	76,167	76,167	
163	RAND ARROYO CENTER	37,078	37,078	
164	ARMY KWAJALEIN ATOLL	314,872	314,872	
165	CONCEPTS EXPERIMENTATION PROGRAM	95,551	85,351	−10,200
167	ARMY TEST RANGES AND FACILITIES	439,118	439,118	
168	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	42,220	42,220	
169	SURVIVABILITY/LETHALITY ANALYSIS	37,518	37,518	
170	AIRCRAFT CERTIFICATION	2,718	2,718	
171	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES			
172	MATERIEL SYSTEMS ANALYSIS	26,902	23,402	−3,500
173	EXPLOITATION OF FOREIGN ITEMS	7,805	7,805	
174	SUPPORT OF OPERATIONAL TESTING	75,133	75,133	
175	ARMY EVALUATION CENTER	71,118	71,118	
176	ARMY MODELING AND SIMULATION X–CMD COLLABORATION AND INTEG	11,204	11,204	
177	PROGRAMWIDE ACTIVITIES	93,895	93,895	
178	TECHNICAL INFORMATION ACTIVITIES	31,327	31,327	
179	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	50,409	52,909	+2,500
180	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	1,629	1,629	
181	ARMY DIRECT REPORT HEADQUARTERS—R&D—MHA	55,843	55,843	
182	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	91,340	91,340	
183	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	6,348	6,348	
185	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	6,025	6,025	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,624,585	1,625,385	+800
	OPERATIONAL SYSTEMS DEVELOPMENT			
187	MLRS PRODUCT IMPROVEMENT PROGRAM	14,465	14,465	
188	ANTI–TAMPER TECHNOLOGY SUPPORT	7,472	7,472	
189	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	8,425	61,106	+52,681
190	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM	1,507	1,507	
191	CHINOOK PRODUCT IMPROVEMENT PROGRAM	9,265	15,765	+6,500
192	IMPROVED TURBINE ENGINE PROGRAM	201,247	201,247	
193	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	3,014	3,014	
194	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	25,393	25,393	
195	APACHE FUTURE DEVELOPMENT	10,547	18,047	+7,500
196	AN/TPQ–53 COUNTERFIRE TARGET ACQUISITION RADAR SYSTEM	54,167	54,167	
197	INTEL CYBER DEVELOPMENT	4,345	4,345	
198	ARMY OPERATIONAL SYSTEMS DEVELOPMENT	19,000	19,000	
199	ELECTRONIC WARFARE DEVELOPMENT	6,389	6,389	
200	ENDURING TURBINE ENGINES AND POWER SYSTEMS	2,411	2,411	
201	FAMILY OF BIOMETRICS	797	797	
202	PATRIOT PRODUCT IMPROVEMENT	177,197	177,197	
203	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM	42,177	42,177	
204	COMBAT VEHICLE IMPROVEMENT PROGRAMS	146,635	146,835	+200
205	155MM SELF–PROPELLED HOWITZER IMPROVEMENTS	122,902	22,902	−100,000
207	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	146	146	
208	DIGITIZATION	1,515	1,515	
209	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	4,520	4,520	
210	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	10,044	10,044	
211	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV	281	281	
212	GUIDED MULTIPLE–LAUNCH ROCKET SYSTEM (GMLRS)	75,952	75,052	−900
213	JOINT TACTICAL GROUND SYSTEM	203	203	
216	SECURITY AND INTELLIGENCE ACTIVITIES	301	6,301	+6,000
217	INFORMATION SYSTEMS SECURITY PROGRAM	15,323	15,323	
218	GLOBAL COMBAT SUPPORT SYSTEM	13,082	13,082	
219	SATCOM GROUND ENVIRONMENT (SPACE)	26,838	26,838	
222	INTEGRATED BROADCAST SERVICE (IBS)	9,456	9,456	
223	TACTICAL UNMANNED AERIAL VEHICLES			
224	AIRBORNE RECONNAISSANCE SYSTEMS			
225	MQ–1C GRAY EAGLE UAS	6,629	6,629	
227	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	75,317	93,317	+18,000
999	CLASSIFIED PROGRAMS	8,786	8,786	
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,105,748	1,095,729	−10,019
228	DEFENSIVE CYBER—SOFTWARE PROTOTYPE DEVELOPMENT	83,570	104,048	+20,478
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY	15,775,381	15,893,354	+117,973

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences	296,670	361,670	+65,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Development of crystalline porous materials			+5,000
	Program increase: Quantum computing			+5,000
	Program increase: Unmanned aerial systems hybrid propulsion			+5,000
	Program increase: Basic research			+50,000
2	University Research Initiatives	75,672	175,672	+100,000
	Program increase: Defense university research instrumentation program			+50,000
	Program increase: STEM research			+50,000
3	University and Industry Research Centers	108,946	118,946	+10,000
	Program increase: Materials in extreme dynamic environments			+5,000
	Program increase: Quantum and photonics research			+5,000
6	Army Agile Innovation and Development-Applied Research	5,613	1,000	−4,613
	Undefined requirement			−4,613
9	Lethality Technology	85,578	113,696	+28,118
	Unjustified request			−10,382
	Program increase: Advanced materials and manufacturing for modernization			+20,000
	Program increase: Advanced materials research and development			+9,000
	Program increase: Ceramic protection materials			+2,500
	Program increase: Digital technologies for armament systems			+2,000
	Program increase: Quantum technologies for armament systems			+5,000
11	Soldier Lethality Technology	104,470	168,770	+64,300
	Program increase: Academic accelerator program			+17,000
	Program increase: Advanced textiles and shelters			+6,000
	Program increase: Digital night vision technology			+8,800
	Program increase: Enhanced ballistic protective eyewear			+1,000
	Program increase: Enhancing soldier ballistic protection			+2,000
	Program increase: HEROES			+5,000
	Program increase: Pathfinder adaptive experimentation force			+3,000
	Program increase: Pathfinder airborne			+6,000
	Program increase: Pathfinder arctic warfare			+5,000
	Program increase: Perovskite-based energy generation			+2,500
	Program increase: Sustainability of soldier-borne equipment through synthetic biology			+2,500
	Program increase: Wafer-level vacuum packaging			+5,500
12	Ground Technology	60,005	249,505	+189,500
	Program increase: Advanced ceramic technologies			+5,000
	Program increase: Operational energy research			+50,000
	Program increase: Artificial intelligence framework for adaptive polymer composites			+5,000
	Program increase: Carbon nanomaterials as functional additives			+10,000
	Program increase: Ceramic materials for extreme environments			+3,000
	Program increase: Critical hybrid advanced materials processing			+5,000
	Program increase: Convergent manufacturing for microfactories			+2,000
	Program increase: Defense resiliency against extreme cold weather			+8,000
	Program increase: Electrolyzer technology			+3,500
	Program increase: Extreme batteries research			+5,000
	Program increase: Forecasting development of arctic maritime and permafrost conditions			+2,000
	Program increase: High temperature alloy powders			+10,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Materials technology for rare earth elements			+10,000
	Program increase: Metal forging innovation			+5,000
	Program increase: Mine and improvised explosive device detection research			+2,000
	Program increase: Novel material solutions in austere operating environments			+10,000
	Program increase: PFAS predictive modeling			+5,000
	Program increase: Polar proving ground			+10,000
	Program increase: Predictive development of water-related hazards			+6,000
	Program increase: Protective coatings			+10,000
	Program increase: Rapid advanced deposition			+15,000
	Program increase: Research for hydrogen energy from galvanic aluminum			+5,000
	Program increase: Scaling of lightweight metallurgical development			+1,500
	Program increase: Verified inherent control			+1,500
13	Next Generation Combat Vehicle Technology	166,500	219,000	+52,500
	Program increase: Fast-refueling fuel cell engines			+3,500
	Program increase: Hydrogen technologies			+10,000
	Program increase: Hyperspectral sensors for autonomous operations			+2,000
	Program increase: Large metal additive manufacturing for ground vehicles			+10,000
	Program increase: Machine learning optimized power electronics			+5,000
	Program increase: Mobile micro-reactor program			+5,000
	Program increase: Mobility materials research			+10,000
	Program increase: Small unit technology advancements			+7,000
14	Network C3I Technology	81,618	122,618	+41,000
	Program increase: Agile sensing for radio frequency and radar capabilities			+5,000
	Program increase: Detection of unexploded ordnance technology			+6,000
	Program increase: Hierarchical agile resonate materials			+5,000
	Program increase: Integrated photonics for contested RF environments			+10,000
	Program increase: Multi-static radar system			+8,000
	Program increase: Social network analysis			+5,000
	Program increase: Urban subterranean mapping technology			+2,000
15	Long Range Precision Fires Technology	34,683	73,183	+38,500
	Program increase: Advanced manufacturing for refractory alloys			+5,000
	Program increase: High speed missile materials			+18,000
	Program increase: Hypersonic wind tunnel development			+5,000
	Program increase: Reactive materials			+10,500
16	Future Vertical Lift Technology	73,844	79,344	+5,500
	Program increase: Adaptive flight control technology			+3,000
	Program increase: Future vertical lift technologies			+2,500
17	Air and Missile Defense Technology	33,301	58,801	+25,500
	Program increase: Army missile risk-based mission assurance			+2,500
	Program increase: Beam control systems and industry grade optical fiber fabrication for energy laser			+15,000
	Program increase: Counter-UAS center of excellence			+5,000
	Program increase: Counter-UAS research and test center			+3,000
18	Artificial Intelligence and Machine Learning Technologies	24,142	27,142	+3,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Automated battle damage assessment and adjust fire			+3,000
20	C3I Applied Research	30,659	32,659	+2,000
	Program increase: Sensor development for detection of chemical and biological threats			+2,000
21	Air Platform Applied Research	48,163	49,663	+1,500
	Program increase: Multispectral sensors for unmanned aerial systems			+1,500
26	Medical Technology	66,266	126,500	+60,234
	Program increase: Bioelectronic device program			+5,000
	Program increase: Biomaterials for combat wound care			+3,000
	Program increase: Biomedical research for the improvement of cartilage healing			+1,000
	Program increase: Development of combat-ready antimicrobial hemostatic wound dressing			+5,000
	Program increase: Engineered antibodies for skin and soft-tissue infections			+5,000
	Program increase: Multiplexed assay for immune responses to infectious diseases			+2,000
	Program increase: Musculoskeletal health and performance research			+2,500
	Program increase: Nanomaterials for bone regeneration			+5,000
	Program increase: Trauma immunology			+10,000
	Program increase: Physiological study of female warfighters to improve training			+15,000
	Program increase: RNA therapeutics for infectious disease threats			+4,000
	Program increase: Treatment research for osseointegrated implants			+2,734
27	Medical Advanced Technology	4,147	18,881	+14,734
	Program increase: Hearing protection for communications			+8,000
	Program increase: Novel strategies to prevent infection in severe fractures			+4,734
	Program increase: Suicide prevention with a focus on rural, remote, isolated, and OCONUS installations			+2,000
30	Artificial Intelligence and Machine Learning Advanced Technologies	13,187	24,687	+11,500
	Program increase: Cognitive computing architecture for military systems			+11,500
31	All Domain Convergence Advanced Technology	33,332	23,618	−9,714
	Unjustified growth			−9,714
36	Lethality Advanced Technology	20,582	31,755	+11,173
	Unjustified growth			−2,827
	Program increase: Robotic electric submersible vehicles			+14,000
38	Soldier Lethality Advanced Technology	102,778	124,778	+22,000
	Program increase: Inspection scanners with computing machine learning			+2,000
	Program increase: Military footwear research			+10,000
	Program increase: Pathfinder air assault			+10,000
39	Ground Advanced Technology	40,597	155,097	+114,500
	Program increase: Accelerator technology for ground maneuver			+4,000
	Program increase: Additive manufacturing with indigenous materials			+8,000
	Program increase: Alternative cement solutions			+5,000
	Program increase: Army visual and tactical arctic reconnaissance			+2,000
	Program increase: Assessments and monitoring systems for historic structures			+3,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Autonomous combat engineering program			+2,000
	Program increase: Cold weather military research			+4,000
	Program increase: Cross-laminated timber and recycled carbon fiber materials			+5,500
	Program increase: Counter-UAS silent passive radar system			+5,000
	Program increase: Deep strength pavement			+5,000
	Program increase: Entry control points at installations			+2,500
	Program increase: Extreme temperatures energy resilience research			+5,000
	Program increase: Graphene applications for military engineering			+2,500
	Program increase: Hydrogen fuel cell back-up power system development			+5,000
	Program increase: Impacts of soil structures on hydrology			+4,000
	Program increase: Innovative design and manufacturing of advanced composites/multi material protective systems			+5,000
	Program increase: Mass timber applications for military construction projects			+2,500
	Program increase: Materials and manufacturing technology for cold environments			+6,000
	Program increase: Rechargeable lithium batteries			+5,000
	Program increase: Reusable polymer technology			+2,500
	Program increase: Soft target protection			+5,000
	Program increase: Synthetic fuel research			+3,000
	Program increase: Water reuse consortium			+10,000
	Program increase: Rapid entry and sustainment for the arctic			+7,000
	Program increase: Weapon terminal effects in extreme temperatures			+6,000
44	Next Generation Combat Vehicle Advanced Technology	217,394	347,528	+130,134
	Program increase: Additive manufacturing for critical components			+2,500
	Program increase: Advanced manufacturing center of excellence			+12,500
	Program increase: Advanced materials applications			+12,000
	Program increase: Advanced technology for off-road maneuver			+3,000
	Program increase: Advanced nickel-cobalt alloy armor production			+8,000
	Program increase: Augmented reality for denied environments			+3,500
	Program increase: Autonomous ground vehicle research			+3,000
	Program increase: Autonomous minefield clearance			+8,134
	Program increase: Blast resistant fuel systems			+2,500
	Program increase: Cybersecurity for autonomous ground vehicles			+5,500
	Program increase: Digital enterprise management for OMFV			+10,000
	Program increase: Dual chemistry battery pack demonstration			+5,000
	Program increase: Human digital twin and human-machine interaction			+3,000
	Program increase: Hydrogen storage solution			+5,000
	Program increase: Lithium-ion batteries for military vehicles			+8,000
	Program increase: Medium caliber hybrid composite barrel			+3,000
	Program increase: Modular electric motors			+5,000
	Program increase: Predictive maintenance system			+2,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase			+8,000
	Program increase: Radio frequency photonic systems			+4,000
	Program increase: Threat detection for 5G-enabled drones			+2,500
	Program increase: Virtual and physical prototyping			+8,000
	Program increase: Virtual environment for cold weather mobility testing			+6,000
45	Network C3I Advanced Technology	105,549	144,549	+39,000
	Program increase: Advanced dynamic spectrum reconnaissance			+1,500
	Program increase: C5ISR modular open suite of standards integration			+15,000
	Program increase: Inter-satellite links for space operations			+3,000
	Program increase: Migratory sensor development			+2,500
	Program increase: Modular open systems architecture development for radio frequency systems			+10,000
	Program increase: Next generation command platform			+7,000
46	Long Range Precision Fires Advanced Technology	153,024	159,024	+6,000
	Program increase: Aluminum lithium alloy solid rocket flight demonstration			+1,000
	Program increase: Digital engineering for missile technology			+5,000
47	Future Vertical Lift Advanced Technology	158,795	173,295	+14,500
	Program increase: Composite structure research for aircraft			+5,000
	Program increase: Ferrium steels for improved drive systems			+3,000
	Program increase: Multi mission capability for unmanned aircraft			+1,000
	Program increase: Platform digitization and maintenance			+5,500
48	Air and Missile Defense Advanced Technology	21,015	57,015	+36,000
	Program increase: Distributed gain 300kW-class laser weapon system			+10,000
	Program increase: Future interceptor			+10,000
	Program increase: Physics-based hardware and software algorithms			+5,000
	Program increase: SHORAD integration and evaluation			+2,500
	Program increase: Silicon carbide electronics			+8,500
49	Humanitarian Demining	9,068	23,068	+14,000
	Program increase			+14,000
51	Army Missile Defense Systems Integration	12,904	22,904	+10,000
	Program increase: Integrated environmental control and power			+5,000
	Program increase: Weather impacts toolkit			+5,000
52	Army Space Systems Integration	19,120	24,120	+5,000
	Program increase: Multi-mission synthetic aperture radar payload development			+5,000
55	Tank and Medium Caliber Ammunition	91,323	93,323	+2,000
	Program increase: Multi-mode proximity airburst for counter-UAS			+2,000
56	Armored System Modernization—Adv Dev	43,026	50,026	+7,000
	Program increase: Advanced combat engine			+5,000
	Program increase: Next generation fuel cell truck			+2,000
59	Night Vision Systems Advanced Development	73,675	38,075	−35,600
	Army-requested transfer to line 101 for IVAS 1.2			−42,600
	Program increase: Immersive AR/VR for UAS			+7,000
60	Environmental Quality Technology—Dem/Val	31,720	22,220	−9,500
	Program decrease			−19,500
	Program increase: Friction stir additive manufacturing			+5,000
	Program increase: Underwater cut and capture demonstration			+5,000
62	Aviation—Adv Dev	1,502,160	1,466,310	−35,850

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Carryover			−35,850
63	Logistics and Engineer Equipment—Adv Dev	7,604	19,604	+12,000
	Program increase: Army executive agent program			+12,000
64	Medical Systems—Adv Dev	1,602	3,602	+2,000
	Program increase: Arctic medical evacuation and treatment system			+2,000
65	Soldier Systems—Advanced Development	27,681	34,481	+6,800
	Soldier protective equipment excess to need			−2,200
	Program increase: Development of fully integrated sight			+5,000
	Program increase: Laser range finder			+4,000
68	Cross Functional Team (CFT) Advanced Development & Prototyping	117,557	49,390	−68,167
	Program decrease			−68,167
75	Future Tactical Unmanned Aircraft System [FTUAS]	53,143	96,143	+43,000
	Program increase: Air launched effects acceleration			+39,000
	Program increase: Secure APNT for FTUAS			+4,000
76	Lower Tier Air Missile Defense [LTAMD] Sensor	816,663	417,663	−399,000
	Fielded sensors early to need			−399,000
77	Technology Maturation Initiatives	281,314	226,993	−54,321
	Unjustified growth			−54,321
78	Maneuver—Short Range Air Defense [M–SHORAD]	281,239	273,994	−7,245
	Increment II prototype delay			−7,245
80	Assured Positioning, Navigation and Timing [PNT]	40,930	55,930	+15,000
	Program increase: AltNav capability			+15,000
84	Hypersonics	43,435	48,435	+5,000
	Program increase: Near net shape materials			+5,000
86	Counter—Small Unmanned Aircraft Systems Advanced Development	64,242	44,242	−20,000
	Unjustified request			−20,000
96	Family of Heavy Tactical Vehicles	44,197	41,697	−2,500
	Predictive Logistics RSIP early to need			−2,500
98	Tactical Unmanned Ground Vehicle (TUGV)	142,125	122,500	−19,625
	RCV software historical underexecution			−19,625
100	Armored Systems Modernization [ASM]—Eng Dev	102,201	99,201	−3,000
	Funding excess to need			−3,000
101	Night Vision Systems—Eng Dev	48,720	149,149	+100,429
	Soldier night vision device—historical underexecution			−2,000
	Maintain soldier night vision device level of effort			−1,000
	Army-requested transfer from line 59 for IVAS 1.2			+42,600
	Transfer from OP, Army line 70 for IVAS 1.2			+22,400
	Program increase: Additional systems only for operational demonstration			+38,429
109	Weapons and Munitions—Eng Dev	243,851	251,851	+8,000
	Program increase: Low drag artillery guidance kit			+5,000
	Program increase: OMFV ammunition			+3,000
110	Logistics and Engineer Equipment—Eng Dev	37,420	59,920	+27,000
	Program increase: Arctic campaigning logistics and engineer equipment			+1,000
	Program increase: Arctic capable expeditionary shelters			+9,000
	Program increase: Deployable, energy efficient, rigid wall shelter			+12,000
	Program increase: Mobile ULCANS			+5,000
111	Command, Control, Communications Systems—Eng Dev	34,214	39,214	+5,000
	Program increase: Mounted mission control			+5,000
117	Soldier Systems—Warrior Dem/Val	11,333	19,333	+8,000
	Program increase: Conformal wearable battery			+5,000
	Program increase: Wearable fuel cell development			+3,000
118	Suite of Survivability Enhancement Systems—EMD	79,250	78,050	−1,200
	Maintain program management level of effort			−1,200
119	Artillery Systems—EMD	42,490	47,490	+5,000
	Program increase: Soft recoil for extended range artillery systems			+5,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
120	Information Technology Development	104,024	79,488	−24,536
	EBS–C contract ahead of need			−19,413
	ArmyIgnitED historical underexecution			−5,123
121	Integrated Personnel and Pay System-Army [IPPS–A]	102,084	67,151	−34,933
	Future and HR capabilities early to need			−34,933
128	Defensive CYBER Tool Development	27,714	30,586	+2,872
	Transfer to line 228 for BA–08 execution			−5,128
	Program increase: Multi-factor authentication for cyber security			+8,000
130	Contract Writing System	16,355	8,355	−8,000
	Acquisition strategy pivot contract savings			−8,000
133	Indirect Fire Protection Capability Inc 2—Block 1	196,248	170,989	−25,259
	Test and evaluation early to need			−5,132
	Maintain transition team level of effort			−1,000
	Contract savings			−19,127
134	Ground Robotics	35,319	17,337	−17,982
	SMET Inc II early to need			−17,982
141	Small Unmanned Aerial Vehicle [SUAV] (6.5)	31,284	27,361	−3,923
	Unjustified growth			−2,623
	LRR testing early to need			−1,300
144	Multi-Domain Intelligence	41,003	6,206	−34,797
	Maintain multi-domain intelligence level of effort			−34,797
148	Accessions Information Environment [AIE]	27,361	14,946	−12,415
	Development contract award delays			−12,415
154	Manned Ground Vehicle	996,653	586,453	−410,200
	Contract savings			−410,200
159	Electronic Warfare Development	137,186	121,986	−15,200
	Stryker prototypes previously funded			−15,200
160	Threat Simulator Development	38,492	50,492	+12,000
	Program increase: CSOC for contested logistics			+5,000
	Program increase: UAS swarm threat representation, detection, and mitigation			+7,000
165	Concepts Experimentation Program	95,551	85,351	−10,200
	Unjustified request			−10,200
172	Materiel Systems Analysis	26,902	23,402	−3,500
	Program decrease			−3,500
179	Munitions Standardization, Effectiveness and Safety	50,409	52,909	+2,500
	Program increase: Industrial base resiliency			+2,500
189	Weapons and Munitions Product Improvement Programs	8,425	61,106	+52,681
	Program increase: Agile manufacturing for advanced armament systems			+5,000
	Program increase: Development and testing software for 155 mm round production			+12,000
	Program increase: Hybrid ammunition manufacturing for next-generation squad weapons			+10,181
	Program increase: Refractory metal alloys for hypersonics			+10,000
	Program increase: Smart manufacturing for armaments			+5,000
	Program increase: Stibnite and antimony for ammunition production			+10,500
191	Chinook Product Improvement Program	9,265	15,765	+6,500
	Test and evaluation underexecution			−3,000
	Program increase: Engine enhancement			+7,500
	Program increase: CH–47 qualification			+2,000
195	Apache Future Development	10,547	18,047	+7,500
	Program increase: AH–64 modernization			+7,500
204	Combat Vehicle Improvement Programs	146,635	146,835	+200
	Stryker carryover			−4,000
	Program increase: Stryker driver-assistance systems			+4,200
205	155mm Self-Propelled Howitzer Improvements	122,902	22,902	−100,000
	Program test delays			−100,000
212	Guided Multiple-Launch Rocket System [GMLRS]	75,952	75,052	−900
	Test support for EAW early to need			−900

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
216	Security and Intelligence Activities	301	6,301	+6,000
	Program increase: All source data fusion platform			+6,000
227	End Item Industrial Preparedness Activities	75,317	93,317	+18,000
	Program increase: Domestic manufacturing for energetic material			+5,000
	Program increase: Processing of refractory alloys			+5,000
	Program increase: Advanced manufacturing for missile, radar and ground support equipment			+4,000
	Program increase: Advanced manufacturing cell for missile fins			+4,000
228	Defensive CYBER—Software Prototype Development	83,570	104,048	+20,478
	Transfer from line 128 for BA–08 execution			+5,128
	Transfer from OP, Army line 44 for BA–08 execution			+13,848
	Transfer from OP, Army line 45 for BA–08 execution			+1,502

Pathfinder.—The Committee supports the Army's efforts to implement the Pathfinder program to transition innovative research and technologies into operational use more efficiently. The Committee notes that Pathfinder has a mandate to capitalize on university-based, applied research by incorporating direct soldier insights in the formulation and execution of projects. Therefore, the Committee recommends an increase of $24,000,000 to support Army-university research partnerships exploring next-generation technologies using a bottom-up approach maximizing individual soldier feedback and participation.

Verified Inherent Control.—The Committee supports and encourages the development of technologies to verify the end product produced by additive manufacturing. This research is critical to ensuring that additively manufactured components meet performance specifications and mitigate cyber vulnerabilities. Therefore, the Committee recommends an additional $1,500,000 to support this development.

Scaling of Lightweight Metallurgical Development.—The Committee notes that titanium is vital to defense applications, including lightweight Army combat and tactical vehicles. The Committee further notes that innovative, sustainable technologies to manufacture titanium metal could reduce maintenance costs and support the re-shoring of domestic titanium metal production, thus reducing U.S. reliance on Russia and China, which is critical to national security. The Committee encourages the Secretary of the Army to consider evaluating these technologies through the Army's Ground Technology Science and Technology efforts.

Advanced Polymer Technology for Military Engineering.—The Committee is aware of the significant strategic advantages advanced polymer technologies provide to warfighters in combat zones. Therefore, the Committee encourages the U.S. Army Engineer Research and Development Center, in partnership with public universities, to continue the development and innovation of advanced polymer materials for force protection, projection, and maneuver technologies in military engineering.

Agile Reactionary Onsite Manufacturing.—The Committee understands that agile reactionary onsite manufacturing research could provide necessary innovative processes required to help expedite the repair and production of critical hardware in expeditionary and

austere environments in support of the warfighter. The Committee urges the Secretary of the Army to consider and examine this critical technology.

Next Generation Proton Exchange Membrane Devices.—The Committee recognizes the importance of technologies that could enable the development of heavy-duty combat vehicles with improved silent mobility, silent watch, lower thermal and acoustic signatures, exportable power, and reduced fuel demand for the Department of Defense. Therefore, the Committee supports efforts to develop and commercialize high-performance materials for next generation proton exchange membrane devices without sacrificing performance or durability.

Distributed Electromagnetic Warfare and Radio Frequency Sensors.—The Committee supports continued growth of the Army Research Laboratory's collaboration with academia in the development of technology to enable and validate new, distributed electromagnetic warfare and radio frequency sensors. The Committee understands that these advancements will enable new systems to meet the near-term enduring battlespace challenges of survivability, redundancy, frequency exclusivity, and GPS-dependence.

Novel Printed Armament Components.—The Committee recognizes the Army's critical role in providing advanced hybrid technologies for armaments that offer overmatch in lethality against adversaries. Maintaining a strong armaments technology base will require continued investments to rapidly design, develop, manufacture, and integrate new processes and applications for current and future armament and munition systems. The Committee supports the continued development of enabling printed electronics, energetics, materials, and sensors for munition systems.

Future Vertical Lift Technologies.—The Committee recognizes ongoing efforts by the Department of the Army to develop a modular and extended range Unmanned Aerial Systems [UAS]. The Committee understands that based on the Special Operations Command demonstration prototype, additional development activities are needed to reach design maturity for operational assessment, end user exercises, and platform transition. Therefore, the Committee recommendation includes an increase of $2,500,000 for continued development of a vertical take off and landing UAS platform.

Indirect Fire Protection Capability High-Powered Microwave.—The Committee recognizes the urgent need to develop and field counter-unmanned aircraft system [C–UAS] capabilities to mitigate this increasing threat, particularly of counter-UAS swarms. The Committee supports the Army's Rapid Capabilities and Critical Technologies Office efforts to address these capability gaps and fully supports the fiscal year 2024 President's budget request for the Indirect Fire Protection Capability-High Power Microwave program.

Artificial Intelligence and Assistive Automation System.—The Committee supports extension of the artificial intelligence and assistive automation system [AI/AA] analytical framework and associated metrics to obtain a fuller understanding of the broad scope of AI/AA applications for mission command in the Army's current and future operating environment.

Analytics for Competition, Crisis and Combat.—The Committee supports Army development of needed multi-disciplinary analytical simulations, tools, and associated metrics to promote robust analysis of the force-structure and equipment tradeoffs associated with the competition and crisis aspects of the new Field Manual 3–0 doctrine.

Modeling and Simulation Activities for Vehicle Development.—The Committee recognizes the importance of modeling and simulation [M&S] activities in combat vehicle development and believes the Army should accelerate its approach to ensure more efficient implementation. The Committee believes that using M&S tools in the early stages of developing a vehicle before prototype builds and production will assist in rapidly fielding technology with a clear understanding of the operational capability and manufacturing readiness.

Target Development for Counter-Small Unmanned Aerial Systems.—The Committee understands that the Army is investing in missile and directed energy capabilities to provide soldiers with counter-unmanned aerial systems, counter-rocket, artillery, mortar and counter, and counter-cruise missile weapon systems at the Brigade level and below. To complement the development of deployable directed energy and missile weapon systems, the Committee encourages the Secretary of the Army to consider investing in domestic Class 1–3 UAS, rocket and cruise missile targets to provide realistic engagements for those defense systems.

Advanced Combat Engine.—The Committee is encouraged with the Department of the Army's progress of a more fuel-efficient, lower emission, and cost-efficient engine to support Next Generation Combat Vehicles. Based on successful demonstrations, the Committee expects the Army to ensure the continued advanced development with a developed transition plan to fielding of this critical powertrain solution.

Biopolymers for Military Infrastructure.—The Committee recognizes the need for additional applied research to assist the U.S. Army Corps of Engineers in its efforts to construct reliable earthen infrastructure with minimal negative impacts on soldiers' health and the environment. To construct such infrastructure, the Committee encourages active collaboration between the U.S. Army Corps of Engineers and university researchers focusing on soil behavior and material sciences.

Landmine Warfare.—The Committee understands that the degradation of the U.S. landmine stockpile could create unacceptable risk to mission and the joint force. The Committee understands the Army is currently developing the XM250 as the primary program of record for close terrain shaping obstacles [CTSO] that is compliant with current Department of Defense landmine policy, and notes that the use of CTSO enables friendly forces to disrupt, fix, turn and block enemy forces, in either the offense or defense. The Committee encourages and supports the rapid development of the XM–250 objective capability which would provide joint force commanders bottom attack, top attack, networked and man-in-the-loop features—among other capabilities.

Distributed Digital Manufacturing.—The Committee supports Department of Defense efforts to strengthen the defense industrial

base and improve manufacturing capabilities essential to national security. However, the Committee is concerned about the effectiveness of current centralized production models for munitions and weapons production, and their ability to sufficiently address current demand and future surge production requirements. The Committee recognizes the potential benefits of a distributed digital manufacturing model solution to provide rapid and customizable manufacturing capability and encourages the Secretary of the Army to explore these digital solutions.

Advanced Pressing for Hard Armor.—The Committee supports the development of ultra-high-molecular-weight polyethylene into armor using high-pressure presses to maximize performance and provide significant weight reduction. The Committee notes this technology could optimize current materials to maximize performance and encourages the Secretary of the Army to consider increased investment in high-pressure presses to increase their availability for use in hard armor weight reduction initiatives.

Open System Architecture for Helmets.—The Committee notes the efforts to increase survivability and lethality by enhancing situational awareness with advanced head systems. The Committee encourages the U.S. Army Combat Capabilities Development Command to conduct research and development on a smart helmet system solution to support overall combat effectiveness and harnesses the full potential of modern technologies and future systems.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

Budget estimate, 2024 ..... $26,922,225,000
Committee recommendation 26,362,009,000

The Committee recommends an appropriation of $26,362,009,000. This is $560,216,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY			
	BASIC RESEARCH			
1	UNIVERSITY RESEARCH INITIATIVES	96,355	196,355	+100,000
2	DEFENSE RESEARCH SCIENCES	540,908	597,158	+56,250
	TOTAL, BASIC RESEARCH	637,263	793,513	+156,250
	APPLIED RESEARCH			
3	POWER PROJECTION APPLIED RESEARCH	23,982	23,982	
4	FORCE PROTECTION APPLIED RESEARCH	142,148	285,398	+143,250
5	MARINE CORPS LANDING FORCE TECHNOLOGY	59,208	68,708	+9,500
6	COMMON PICTURE APPLIED RESEARCH	52,090	52,090	
7	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	74,722	129,222	+54,500
8	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	92,473	98,473	+6,000
9	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	80,806	104,306	+23,500
10	JOINT NON–LETHAL WEAPONS APPLIED RESEARCH	7,419	7,419	
11	UNDERSEA WARFARE APPLIED RESEARCH	61,503	93,503	+32,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
12	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	182,662	182,662	.....
13	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	30,435	30,435	.....
14	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	133,828	133,828	.....
15	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES	85,063	85,063	.....
	TOTAL, APPLIED RESEARCH	1,026,339	1,295,089	+268,750
	ADVANCED TECHNOLOGY DEVELOPMENT			
16	FORCE PROTECTION ADVANCED TECHNOLOGY	29,512	44,512	+15,000
17	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	8,418	13,418	+5,000
18	SCIENCE & TECHNOLOGY FOR NUCLEAR RE–ENTRY SYSTEMS	112,329	112,329	.....
19	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	308,217	326,717	+18,500
20	JOINT NON–LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	15,556	15,556	.....
21	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT	264,700	282,200	+17,500
22	MANUFACTURING TECHNOLOGY PROGRAM	61,843	183,843	+122,000
23	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	5,100	16,600	+11,500
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	75,898	82,398	+6,500
25	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	2,048	2,048	.....
26	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT	132,931	134,431	+1,500
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	1,016,552	1,214,052	+197,500
	ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES			
27	UNMANNED AERIAL SYSTEM	108,225	88,719	−19,506
28	LARGE UNMANNED SURFACE VEHICLES (LUSV)	117,400	117,400	.....
29	AIR/OCEAN TACTICAL APPLICATIONS	40,653	43,653	+3,000
30	AVIATION SURVIVABILITY	20,874	20,874	.....
31	NAVAL CONSTRUCTION FORCES	7,821	7,821	.....
32	ASW SYSTEMS DEVELOPMENT	17,090	17,090	.....
33	TACTICAL AIRBORNE RECONNAISSANCE	3,721	3,721	.....
34	ADVANCED COMBAT SYSTEMS TECHNOLOGY	6,216	13,216	+7,000
35	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	34,690	34,690	.....
36	SURFACE SHIP TORPEDO DEFENSE	730	730	.....
37	CARRIER SYSTEMS DEVELOPMENT	6,095	6,095	.....
38	PILOT FISH	916,208	916,208	.....
39	RETRACT LARCH	7,545	7,545	.....
40	RETRACT JUNIPER	271,109	217,309	−53,800
41	RADIOLOGICAL CONTROL	811	811	.....
42	SURFACE ASW	1,189	1,189	.....
43	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	88,415	88,415	.....
44	SUBMARINE TACTICAL WARFARE SYSTEMS	15,119	15,119	.....
45	SHIP CONCEPT ADVANCED DESIGN	89,939	111,939	+22,000
46	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	121,402	162,460	+41,058
47	ADVANCED NUCLEAR POWER SYSTEMS	319,656	292,656	−27,000
48	ADVANCED SURFACE MACHINERY SYSTEMS	133,911	139,911	+6,000
49	CHALK EAGLE	116,078	116,078	.....
50	LITTORAL COMBAT SHIP (LCS)	32,615	32,615	.....
51	COMBAT SYSTEM INTEGRATION	18,610	18,610	.....
52	OHIO REPLACEMENT	257,076	282,076	+25,000
53	LCS MISSION MODULES	31,464	31,464	.....
54	AUTOMATED TEST AND RE–TEST	10,809	10,809	.....
55	FRIGATE DEVELOPMENT	112,972	102,860	−10,112
56	CONVENTIONAL MUNITIONS	9,030	9,030	.....
57	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	128,782	128,782	.....
58	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	44,766	44,766	.....
59	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	10,751	10,751	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
60	ENVIRONMENTAL PROTECTION	24,457	24,457	.....
61	NAVY ENERGY PROGRAM	72,214	95,214	+23,000
62	FACILITIES IMPROVEMENT	10,149	12,149	+2,000
63	CHALK CORAL	687,841	492,841	−195,000
64	NAVY LOGISTIC PRODUCTIVITY	4,712	4,712	.....
65	RETRACT MAPLE	420,455	390,455	−30,000
66	LINK PLUMERIA	2,100,474	1,989,474	−111,000
67	RETRACT ELM	88,036	88,036	.....
68	LINK EVERGREEN	547,005	516,005	−31,000
69	NATO RESEARCH AND DEVELOPMENT	6,265	6,265	.....
70	LAND ATTACK TECHNOLOGY	1,624	1,624	.....
71	JOINT NONLETHAL WEAPONS TESTING	31,058	31,058	.....
72	JOINT PRECISION APPROACH AND LANDING SYSTEMS—DEM/VAL	22,590	22,590	.....
73	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	52,129	62,129	+10,000
74	F/A–18 INFRARED SEARCH AND TRACK (IRST)	32,127	32,127	.....
75	DIGITAL WARFARE	181,001	181,001	.....
76	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	110,506	81,335	−29,171
77	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	71,156	67,156	−4,000
78	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION	214,100	89,951	−124,149
79	LARGE UNMANNED UNDERSEA VEHICLES	6,900	6,900	.....
80	GERALD R FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78–80)	118,182	118,182	.....
81	LITTORAL AIRBORNE MCM	.....	.....	.....
82	SURFACE MINE COUNTERMEASURES	16,127	16,127	.....
83	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES (TADIRCM)	34,684	34,684	.....
84	NEXT GENERATION LOGISTICS	5,991	5,991	.....
85	FUTURE VERTICAL LIFT (MARITIME STRIKE)	2,100	4,100	+2,000
86	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	131,763	55,358	−76,405
87	LX (R)	21,319	21,319	.....
88	ADVANCED UNDERSEA PROTOTYPING	104,328	69,723	−34,605
89	COUNTER UNMANNED AIRCRAFT SYSTEMS (C–UAS)	11,567	11,567	.....
90	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	5,976	105,276	+99,300
91	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINEERING SUPPORT	9,993	9,993	.....
92	OFFENSIVE ANTI–SURFACE WARFARE WEAPON DEVELOPMENT	237,655	208,948	−28,707
93	MEDIUM UNMANNED SURFACE VEHICLES (MUSV)	85,800	70,130	−15,670
94	UNMANNED SURFACE VEHICLE ENABLING CAPABILITIES	176,261	161,712	−14,549
95	GROUND BASED ANTI–SHIP MISSILE	36,383	27,889	−8,494
96	LONG RANGE FIRES	36,763	30,563	−6,200
97	CONVENTIONAL PROMPT STRIKE (CPS)	901,064	984,133	+83,069
98	ASW SYSTEMS DEVELOPMENT—MIP	10,167	10,167	.....
99	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	539	10,539	+10,000
100	ELECTRONIC WARFARE DEVELOPMENT—MIP	1,250	1,250	.....
	TOTAL, ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES	9,734,483	9,248,542	−485,941
	SYSTEM DEVELOPMENT AND DEMONSTRATION			
101	TRAINING SYSTEM AIRCRAFT	44,120	44,120	.....
102	MARITIME TARGETING CELL	30,922	80,922	+50,000
103	OTHER HELO DEVELOPMENT	101,209	54,739	−46,470
104	OTHER HELO DEVELOPMENT	2,604	2,604	.....
105	AV–8B AIRCRAFT—ENG DEV	8,263	8,263	.....
106	STANDARDS DEVELOPMENT	4,039	4,039	.....
107	MULTI–MISSION HELICOPTER UPGRADE DEVELOPMENT	62,350	67,350	+5,000
108	P–3 MODERNIZATION PROGRAM	771	771	.....
109	WARFARE SUPPORT SYSTEM	109,485	109,485	.....
110	COMMAND AND CONTROL SYSTEMS	87,457	87,457	.....
111	ADVANCED HAWKEYE	399,919	407,631	+7,712

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
112	H–1 UPGRADES	29,766	29,766	.....
113	ACOUSTIC SEARCH SENSORS	51,531	51,531	.....
114	V–22A	137,597	137,597	.....
115	AIR CREW SYSTEMS DEVELOPMENT	42,155	42,155	.....
116	EA–18	172,507	131,979	−40,528
117	ELECTRONIC WARFARE DEVELOPMENT	171,384	159,707	−11,677
118	EXECUTIVE HELO DEVELOPMENT	35,376	35,376	.....
119	NEXT GENERATION JAMMER (NGJ)	40,477	40,477	.....
120	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS–NAVY)	451,397	451,397	.....
121	NEXT GENERATION JAMMER (NGJ) INCREMENT II	250,577	136,862	−113,715
122	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	453,311	437,648	−15,663
124	SMALL DIAMETER BOMB (SDB)	52,211	52,211	.....
125	STANDARD MISSILE IMPROVEMENTS	418,187	257,850	−160,337
126	AIRBORNE MCM	11,368	11,368	.....
127	NAVAL INTEGRATED FIRE CONTROL–COUNTER AIR SYSTEMS ENGINEERING	66,445	80,445	+14,000
128	ADVANCED SENSORS APPLICATION PROGRAM (ASAP)	.....	10,000	+10,000
129	ADVANCED ABOVE WATER SENSORS	115,396	110,293	−5,103
130	SSN–688 AND TRIDENT MODERNIZATION	93,435	93,435	.....
131	AIR CONTROL	42,656	42,656	.....
132	SHIPBOARD AVIATION SYSTEMS	10,442	10,442	.....
133	COMBAT INFORMATION CENTER CONVERSION	11,359	11,359	.....
134	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	90,307	90,307	.....
135	ADVANCED ARRESTING GEAR (AAG)	10,658	10,658	.....
136	NEW DESIGN SSN	234,356	241,356	+7,000
137	SUBMARINE TACTICAL WARFARE SYSTEM	71,516	71,516	.....
138	SHIP CONTRACT DESIGN/LIVE FIRE T&E	22,462	22,462	.....
139	NAVY TACTICAL COMPUTER RESOURCES	4,279	4,279	.....
140	MINE DEVELOPMENT	104,731	104,731	.....
141	LIGHTWEIGHT TORPEDO DEVELOPMENT	229,668	160,753	−68,915
142	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	9,064	9,064	.....
143	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS—ENG DEV	62,329	26,984	−35,345
144	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	9,319	9,319	.....
145	JOINT STANDOFF WEAPON SYSTEMS	1,964	1,964	.....
146	SHIP SELF DEFENSE (DETECT & CONTROL)	158,426	158,426	.....
147	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	47,492	47,492	.....
148	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	125,206	125,206	.....
149	INTELLIGENCE ENGINEERING	19,969	19,969	.....
150	MEDICAL DEVELOPMENT	6,061	6,061	.....
151	NAVIGATION/ID SYSTEM	45,262	45,262	.....
152	JOINT STRIKE FIGHTER (JSF)—EMD	.....	.....	.....
153	JOINT STRIKE FIGHTER (JSF)—EMD	.....	.....	.....
154	SSN(X)	361,582	321,828	−39,754
155	MARINE CORPS INFORMATION TECHNOLOGY DEVELOPMENT	22,663	30,474	+7,811
156	INFORMATION TECHNOLOGY DEVELOPMENT	282,138	288,638	+6,500
157	ANTI–TAMPER TECHNOLOGY SUPPORT	8,340	8,340	.....
158	TACAMO MODERNIZATION	213,743	188,921	−24,822
159	CH–53K	222,288	186,269	−36,019
160	MISSION PLANNING	86,448	86,448	.....
161	COMMON AVIONICS	81,076	81,076	.....
162	SHIP TO SHORE CONNECTOR (SSC)	1,343	1,343	.....
163	T–AO 205 CLASS	71	71	.....
164	UNMANNED CARRIER AVIATION	220,404	250,188	+29,784
165	JOINT AIR–TO–GROUND MISSILE (JAGM)	384	384	.....
166	MULTI–MISSION MARITIME AIRCRAFT (MMA)	36,027	36,027	.....
167	MULTI–MISSION MARITIME AIRCRAFT (MMA) INCREMENT III	132,449	132,449	.....
168	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT & DEMONSTRATION	103,236	88,898	−14,338
169	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT & DEMONSTRATION	2,609	2,609	.....
170	DDG–1000	231,778	198,277	−33,501
171	COUNTERING ADVANCED CONVENTIONAL WEAPONS (CACW)	17,531	17,531	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
172	ISR & INFO OPERATIONS	174,271	174,271	.....
173	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	2,068	2,068	.....
	TOTAL, SYSTEM DEVELOPMENT AND DEMONSTRATION	6,962,234	6,453,854	−508,380
	MANAGEMENT SUPPORT			
174	THREAT SIMULATOR DEVELOPMENT	22,918	22,918	.....
175	TARGET SYSTEMS DEVELOPMENT	18,623	18,623	.....
176	MAJOR T&E INVESTMENT	74,221	74,221	.....
177	STUDIES AND ANALYSIS SUPPORT—NAVY	3,229	3,229	.....
178	CENTER FOR NAVAL ANALYSES	45,672	45,672	.....
180	TECHNICAL INFORMATION SERVICES	1,000	1,000	.....
181	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	124,328	124,328	.....
182	STRATEGIC TECHNICAL SUPPORT	4,053	4,053	.....
183	RDT&E SHIP AND AIRCRAFT SUPPORT	203,447	203,447	.....
184	TEST AND EVALUATION SUPPORT	481,975	482,975	+1,000
185	OPERATIONAL TEST AND EVALUATION CAPABILITY	29,399	29,399	.....
186	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	27,504	27,504	.....
187	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	9,183	9,183	.....
188	MARINE CORPS PROGRAM WIDE SUPPORT	34,976	34,976	.....
189	MANAGEMENT HEADQUARTERS—R&D	41,331	41,331	.....
190	WARFARE INNOVATION MANAGEMENT	37,340	45,340	+8,000
191	INSIDER THREAT	2,246	2,246	.....
192	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	2,168	2,168	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,163,613	1,172,613	+9,000
	OPERATIONAL SYSTEMS DEVELOPMENT			
196	F–35 C2D2	544,625	509,122	−35,503
197	F–35 C2D2	543,834	512,266	−31,568
198	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS	99,860	98,969	−891
199	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	153,440	140,331	−13,109
200	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	321,648	326,648	+5,000
201	SSBN SECURITY TECHNOLOGY PROGRAM	62,694	62,694	.....
202	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	92,869	97,869	+5,000
203	NAVY STRATEGIC COMMUNICATIONS	51,919	51,919	.....
204	F/A–18 SQUADRONS	333,783	292,323	−41,460
205	SURFACE SUPPORT	8,619	10,119	+1,500
206	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	122,834	122,834	.....
207	INTEGRATED SURVEILLANCE SYSTEM	76,279	76,279	.....
208	SHIP–TOWED ARRAY SURVEILLANCE SYSTEMS	1,103	1,103	.....
209	AMPHIBIOUS TACTICAL SUPPORT UNITS	1,991	1,991	.....
210	GROUND/AIR TASK ORIENTED RADAR	92,674	84,074	−8,600
211	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	115,894	115,894	.....
212	ELECTRONIC WARFARE (EW) READINESS SUPPORT	61,677	61,677	.....
213	ANTI–RADIATION MISSILE IMPROVEMENT	59,555	59,555	.....
214	SURFACE ASW COMBAT SYSTEM INTEGRATION	29,973	29,973	.....
215	MK–48 ADCAP	213,165	198,401	−14,764
216	AVIATION IMPROVEMENTS	143,277	143,277	.....
217	OPERATIONAL NUCLEAR POWER SYSTEMS	152,546	152,546	.....
218	MARINE CORPS COMMUNICATIONS SYSTEMS	192,625	192,625	.....
219	COMMON AVIATION COMMAND AND CONTROL SYSTEM	12,565	12,565	.....
220	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	83,900	93,700	+9,800
221	MARINE CORPS COMBAT SERVICES SUPPORT	27,794	27,794	.....
222	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	47,762	47,762	.....
223	AMPHIBIOUS ASSAULT VEHICLE	373	373	.....
224	TACTICAL AIM MISSILES	36,439	36,439	.....
225	ADVANCED MEDIUM RANGE AIR–TO–AIR MISSILE (AMRAAM)	29,198	29,198	.....
226	PLANNING AND DECISION AID SYSTEM (PDAS)	3,565	3,565	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
230	AFLOAT NETWORKS	49,995	49,995	
231	INFORMATION SYSTEMS SECURITY PROGRAM	33,390	33,390	
232	MILITARY INTELLIGENCE PROGRAMS (MIP) ACTIVITIES	7,304	7,304	
233	TACTICAL UNMANNED AERIAL VEHICLES	11,235	11,235	
234	UAS INTEGRATION AND INTEROPERABILITY	16,409	16,409	
235	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS	51,192	51,192	
236	MQ–4C TRITON	12,094	12,094	
237	MQ–8 UAV	29,700	29,700	
238	RQ–11 UAV	2,107	2,107	
239	SMALL (LEVEL 0) TACTICAL UAS (STUASL0)	2,999	2,999	
240	MULTI–INTELLIGENCE SENSOR DEVELOPMENT	49,460	49,460	
241	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	13,005	13,005	
242	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	2,000	2,000	
243	RQ–4 MODERNIZATION	300,378	217,978	−82,400
244	INTELLIGENCE MISSION DATA (IMD)	788	788	
245	MODELING AND SIMULATION SUPPORT	10,994	10,994	
246	DEPOT MAINTENANCE (NON–IF)	23,248	23,248	
247	MARITIME TECHNOLOGY (MARITECH)	3,284	3,284	
999	CLASSIFIED PROGRAMS	2,021,376	2,030,976	+9,600
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	6,359,438	6,162,043	−197,395
	SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS			
249	RISK MANAGEMENT INFORMATION—SOFTWARE PILOT PROGRAM	11,748	11,748	
250	MARITIME TACTICAL COMMAND AND CONTROL (MTC2)—SOFTWARE PILOT PROGRAM	10,555	10,555	
	TOTAL, SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS	22,303	22,303	
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY	26,922,225	26,362,009	−560,216

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	University Research Initiatives	96,355	196,355	+100,000
	Program increase: Defense university research instrumentation program			+50,000
	Program increase: STEM research			+50,000
2	Defense Research Sciences	540,908	597,158	+56,250
	Program increase: Shaping metallic surfaces for thermal system management			+3,250
	Program increase: UUV next generation sensing and maneuverability			+3,000
	Program increase: Basic research			+50,000
4	Force Protection Applied Research	142,148	285,398	+143,250
	Program increase: Additive manufacturing of unmanned maritime systems			+10,000
	Program increase: Autonomous collaboration in confined maritime environments			+5,000
	Program increase: Cavitation erosion			+2,500
	Program increase: Corrosion control coatings and material			+5,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Direct air capture and blue carbon removal			+10,000
	Program increase: Energy resilience			+7,000
	Program increase: Multi-material flexible automated manufacturing			+12,000
	Program increase: Resilient innovative sustainable economies via university partnerships			+9,000
	Program increase: sUAS degraded environment testing			+10,250
	Program increase: Titanium refinement process			+8,000
	Program increase: Alternative energy research			+50,000
	Program increase: Relative positioning of autonomous platforms			+2,000
	Program increase: Talent and technology for Navy power and energy systems			+12,500
5	Marine Corps Landing Force Technology	59,208	68,708	+9,500
	Program increase: Unmanned logistics solutions			+9,500
7	Warfighter Sustainment Applied Research	74,722	129,222	+54,500
	Program increase: Anti-corrosion nanotechnology			+9,000
	Program increase: Augmented reality robotic surgery			+5,000
	Program increase: Conductive pigments and coatings in batteries			+4,000
	Program increase: Engineered systems to restore skin and tactile sensory in Navy burn victims			+2,500
	Program increase: Health and safety of underground fuel storage			+10,000
	Program increase: Long-term autonomy for underwater surveillance and manipulation			+3,000
	Program increase: Remote vestibular assessment technology			+5,000
	Program increase: Warfighter protection against directed energy			+10,000
	Program increase: Rapid applied materials and process development			+3,000
	Program increase: Foreign malign information operations			+3,000
8	Electromagnetic Systems Applied Research	92,473	98,473	+6,000
	Program increase: Dark swarm in denied environments			+6,000
9	Ocean Warfighting Environment Applied Research	80,806	104,306	+23,500
	Program increase: Atmospheric river research			+2,500
	Program increase: Ocean acoustics for monitoring			+4,000
	Program increase: Ocean-ice-atmosphere observation			+2,000
	Program increase: Oceanographic research for Naval Special Warfare			+5,000
	Program increase: SAPF/SCIF university facility upgrades			+10,000
11	Undersea Warfare Applied Research	61,503	93,503	+32,000
	Program increase: Distributed sensing for shipboard fire detection and localization			+5,000
	Program increase: Mobile testbed for UUVs			+2,000
	Program increase: Partnerships for submarine and undersea vehicle programs			+20,000
	Program increase: Undersea sensing and communications			+5,000
16	Force Protection Advanced Technology	29,512	44,512	+15,000
	Program increase: Deployable additive manufacturing of composite UUVs			+4,000
	Program increase: Power electronics building block			+11,000
17	Electromagnetic Systems Advanced Technology	8,418	13,418	+5,000
	Program increase: Augmented, context-based identity awareness			+5,000
19	USMC Advanced Technology Demonstration [ATD]	308,217	326,717	+18,500
	Program increase: Adaptive future force			+5,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: HWIL for unmanned system development			+8,000
	Program increase: MCWL partnership intermediary assistance			+2,500
	Program increase: Composite shelters			+3,000
21	Future Naval Capabilities Advanced Technology Development	264,700	282,200	+17,500
	Program increase: Automated acoustic signal classifier			+6,000
	Program increase: Electronic maneuver warfare unmanned sensor			+8,000
	Program increase: Real-time undersea monitoring for shipping channels			+3,500
22	Manufacturing Technology Program	61,843	183,843	+122,000
	Program increase: National energetics plan			+8,000
	Program increase			+100,000
	Program increase: Sustainable energetic materials manufacturing			+4,000
	Program increase: Textile industry of the future			+10,000
23	Warfighter Protection Advanced Technology	5,100	16,600	+11,500
	Program increase: Automated resuscitation catheter for hemorrhage control			+1,500
	Program increase: Direction-independent underwater blast sensors			+2,000
	Program increase: Warfighter resilience and readiness			+5,000
	Program increase: Remote advanced medical care			+3,000
24	Navy Warfighting Experiments and Demonstrations	75,898	82,398	+6,500
	Program increase: USV cUAS			+6,500
26	Innovative Naval Prototypes [INP] Advanced Technology Development	132,931	134,431	+1,500
	Program increase: HEL testing and maturation for production			+1,500
27	Unmanned Aerial System	108,225	88,719	−19,506
	Overestimation of ILS			−3,924
	ANE delays			−15,582
29	Air/Ocean Tactical Applications	40,653	43,653	+3,000
	Program increase: Autonomous dual-modality surface and underwater vehicles			+3,000
34	Advanced Combat Systems Technology	6,216	13,216	+7,000
	Program increase: Tier 2.5 LO platform inspection system			+3,000
	Program increase: Universal AI/ML core environment			+4,000
40	RETRACT JUNIPER	271,109	217,309	−53,800
	Classified adjustment			−53,800
45	Ship Concept Advanced Design	89,939	111,939	+22,000
	Program increase: Forward-deployed 3D printing materials			+2,000
	Program increase: Naval expeditionary sustainment and repair			+2,000
	Program increase: Maintenance technologies supporting operational readiness			+3,000
	Transfer from SCN line 21 for AS(X) design			+15,000
46	Ship Preliminary Design & Feasibility Studies	121,402	162,460	+41,058
	Medium landing ship DT&E ahead of need			−2,142
	Program increase: DDG(X) design tool			+43,200
47	Advanced Nuclear Power Systems	319,656	292,656	−27,000
	Overestimation of SSN(X) expenditures			−27,000
48	Advanced Surface Machinery Systems	133,911	139,911	+6,000
	Program increase: Large format lithium ion batteries			+6,000
52	Ohio Replacement	257,076	282,076	+25,000
	Program increase: Advanced composite shaft design			+25,000
55	Frigate Development	112,972	102,860	−10,112
	Unjustified growth-warfare systems development			−10,112
61	Navy Energy Program	72,214	95,214	+23,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Wave energy converters			+13,000
	Program increase: Marine energy systems for sensors and microgrids			+10,000
62	Facilities Improvement	10,149	12,149	+2,000
	Program increase: Groundwater storage analysis			+2,000
63	CHALK CORAL	687,841	492,841	−195,000
	Classified adjustment			−195,000
65	RETRACT MAPLE	420,455	390,455	−30,000
	Classified adjustment			−30,000
66	LINK PLUMERIA	2,100,474	1,989,474	−111,000
	Classified adjustment			−111,000
68	LINK EVERGREEN	547,005	516,005	−31,000
	Classified adjustment			−31,000
73	Directed Energy and Electric Weapon Systems	52,129	62,129	+10,000
	SNLWS support-excess to need			−5,000
	Program increase: 100KW directed energy production			+15,000
76	Small and Medium Unmanned Undersea Vehicles	110,506	81,335	−29,171
	MEDUSA prototype award delay			−14,454
	Maintain MEDUSA support level of effort			−2,061
	Razorback staffing delays			−6,231
	Knifefish stand-down			−6,425
77	Unmanned Undersea Vehicle Core Technologies	71,156	67,156	−4,000
	Prior year carryover			−14,000
	Transfer from RDT&E,DW line 69 AUKUS innovation initiatives			+10,000
78	Rapid Prototyping, Experimentation and Demonstration.	214,100	89,951	−124,149
	Program decrease			−124,149
85	Future Vertical Lift (Maritime Strike)	2,100	4,100	+2,000
	Program increase: Advanced vertical lift rotor technology			+2,000
86	Rapid Technology Capability Prototype	131,763	55,358	−76,405
	Program decrease			−76,405
88	Advanced Undersea Prototyping	104,328	69,723	−34,605
	Basing equipment ahead of need			−20,700
	XLUUV spares maintenance ahead of need			−3,338
	DT&E ahead of need			−10,567
90	Precision Strike Weapons Development Program	5,976	105,276	+99,300
	Program increase: Advanced rocket fuel density			+2,500
	Program increase: CAD/PAD technology			+6,800
	Program increase: SLCM–N			+50,000
	Program increase: Common use technology maturation			+40,000
92	Offensive Anti-Surface Warfare Weapon Development	237,655	208,948	−28,707
	OASuW Increment II Phase 1 previously funded			−68,707
	Navy-requested transfer from WPN line 15 for LRASM C–3			+40,000
93	MEDIUM UNMANNED SURFACE VEHICLES [MUSVS])	85,800	70,130	−15,670
	MUSV prototype delays			−3,918
	MUSV requirements development excess to need			−4,700
	Dock and sea trials ahead of need			−7,052
94	Unmanned Surface Vehicle Enabling Capabilities	176,261	161,712	−14,549
	Overestimation of product development			−7,000
	Overestimation of support and management			−7,549
95	GROUND BASED ANTI–SHIP MISSILE	36,383	27,889	−8,494
	IOT&E delays			−8,494
96	LONG RANGE FIRES	36,763	30,563	−6,200
	Test and evaluation delays			−6,200
97	CONVENTIONAL PROMPT STRIKE [CPS]	901,064	984,133	+83,069
	Transfer from WP,N line 1 for AUR test assets			+115,555
	JFC costs excess to need			−32,486
99	Advanced Tactical Unmanned Aircraft System	539	10,539	+10,000
	Program increase: Mobile manned/unmanned distributed lethality airborne network			+10,000
102	Maritime Targeting Cell	30,922	80,922	+50,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Maritime Targeting Cell-Afloat development			+50,000
103	Other Helo Development	101,209	54,739	−46,470
	Product development excess to need			−40,000
	Development support excess to need			−6,470
107	Multi-Mission Helicopter Upgrade Development	62,350	67,350	+5,000
	Program increase: MH–60 upgrades			+5,000
111	Advanced Hawkeye	399,919	407,631	+7,712
	Overestimation of TCID			−12,288
	Program increase: Enhanced L-band and UHF for E–2D			+20,000
116	EA–18	172,507	131,979	−40,528
	Overestimation of warfare center REAM development			−16,380
	Overestimation of contracted REAM development			−15,000
	Unjustified growth-block 2 development support			−9,148
117	Electronic Warfare Development	171,384	159,707	−11,677
	DBD EMD delays			−11,677
121	Next Generation Jammer [NGJ] Increment II	250,577	136,862	−113,715
	Rephase annualized program costs due to EMD delay			−35,275
	Rephase EMD costs due to contract delay			−78,440
122	Surface Combatant Combat System Engineering	453,311	437,648	−15,663
	Overestimation of prime systems engineering contract			−12,413
	Unjustified growth-IDIQ performers			−3,250
125	Standard Missile Improvements	418,187	257,850	−160,337
	SM–6 Blk 1B EMD delay			−45,000
	SM–2 blk IIIU excess to need			−100,100
	Overestimation of SM–6 Blk 1B management services			−11,846
	Unjustified support cost growth due to prior-year realignments			−15,991
	Navy-requested transfer from WPN line 7 for electronics unit obsolescence			+12,600
127	Naval Integrated Fire Control—Counter Air Systems Engineering	66,445	80,445	+14,000
	Program increase: Stratospheric balloon research			+14,000
128	Advanced Sensors Application Program (ASAP)		10,000	+10,000
	Program increase			+10,000
129	Advanced Above Water Sensors	115,396	110,293	−5,103
	Combat system integration ahead of need			−5,103
136	New Design SSN	234,356	241,356	+7,000
	Program increase: Precision maneuvering unit			+7,000
141	Lightweight Torpedo Development	229,668	160,753	−68,915
	Mod 2 phase II program delay			−59,600
	Software Development—platform integration delay			−9,315
143	USMC Ground Combat/Supporting Arms Systems—Eng Dev	62,329	26,984	−35,345
	OPF–M termination			−20,181
	Marine Corps-requested transfer to line 155 for MCRISS II			−7,811
	DT&E ahead of need			−7,353
154	SSN(X)	361,582	321,828	−39,754
	Unjustified growth-shipbuilder studies			−18,000
	Unjustified growth-NSWC studies			−13,804
	Unjustified growth-management and support costs			−7,950
155	Information Technology Development	22,663	30,474	+7,811
	Marine Corps-requested transfer from line 143 for MCRISS II			+7,811
156	Information Technology Development	282,138	288,638	+6,500
	Program increase: Cyber Supply chain risk management			+6,500
158	TACAMO Modernization	213,743	188,921	−24,822
	Air vehicle NRE prior year contract savings			−3,611
	VLF NRE prior year contract savings			−2,584
	Overestimation of development support			−6,412
	Spares funded on prior year air vehicle contract			−12,215
159	CH–53K RDTE	222,288	186,269	−36,019

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	DT&E duplication of effort			−24,499
	SDD actuals below plan			−11,520
164	Unmanned Carrier Aviation [UCA]	220,404	250,188	+29,784
	Test excess to need due to EDM delays			−20,403
	Prior year carryover			−25,000
	Transfer from AP,N line 21 for two SDTA aircraft due to milestone C delays			+75,187
168	Marine Corps Assault Vehicles System Development & Demonstration	103,236	88,898	−14,338
	ACV–R Phase II contract delay			−13,055
	ACV–R test support ahead of need			−1,283
170	DDG–1000	231,778	198,277	−33,501
	Prime contract savings			−33,501
184	Test and Evaluation Support	481,975	482,975	+1,000
	Program increase: Future workforce innovation			+1,000
190	Warfare Innovation Management	37,340	45,340	+8,000
	Program increase: Warfighter experience lab			+8,000
196	F–35 C2D2	544,625	509,122	−35,503
	Prior year carryover for blk 4, test and evaluation			−35,503
197	F–35 C2D2	543,834	512,266	−31,568
	Prior year carryover for blk 4, test and evaluation			−31,568
198	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS	99,860	98,969	−891
	Blk 2 integration ahead of need			−4,134
	Blk 2 testing ahead of need			−3,550
	Blk 2 ILS ahead of need			−2,007
	Program increase: MADIS radar			+5,000
	Program increase: Medium range intercept capability			+3,800
199	Cooperative Engagement Capability [CEC]	153,440	140,331	−13,109
	Unjustified growth in antenna development			−13,109
200	Strategic Sub & Weapons System Support	321,648	326,648	+5,000
	Program increase: Multimodal biometric authentication			+5,000
202	Submarine Acoustic Warfare Development	92,869	97,869	+5,000
	Program increase: Integration of four-tube launch system			+5,000
204	F/A–18 Squadrons	333,783	292,323	−41,460
	Overestimation of DVMC–U			−9,817
	Support costs excess to need			−20,000
	ADVEW carryover			−11,643
205	Surface Support	8,619	10,119	+1,500
	Program increase: Composite improvements for MK41 VLS			+1,500
210	Ground/Air Task Oriented Radar (G/ATOR)	92,674	84,074	−8,600
	GB1 BOA task order delays			−8,600
215	MK–48 ADCAP	213,165	198,401	−14,764
	Overestimation of NUWC APB 6 software			−5,764
	Reduce planned product development carryover			−9,000
220	Marine Corps Ground Combat/Supporting Arms Systems	83,900	93,700	+9,800
	Program increase: Advanced batteries for cargo drones			+9,800
243	RQ–4 Modernization	300,378	217,978	−82,400
	Classified adjustment			−41,100
	IFC 4.4 ahead of need			−41,300
999	Classified Programs	2,021,376	2,030,976	+9,600
	Classified adjustment			+9,600

Open Autonomous Underwater Vehicle Software Architecture.—The Committee notes the significant proposed Navy investment to develop and acquire a variety of unmanned surface vehicles [USVs] and unmanned undersea vehicles [UUVs] as part of an effort to shift the Navy to a more distributed fleet architecture. The fiscal year 2024 President's budget request contains more than

$867,117,000 in research, development, test and evaluation funding in fiscal year 2024 and $4,409,700,000 in the Future Years Defense Program for the development and procurement of such systems. The Committee is concerned that despite this and previous significant investments, the request also reflects significant programmatic setbacks for many of these same systems and technologies, including: the truncation of the Barracuda UUV, pausing the Knifefish UUV program prior to production, the cancelation of the Snakehead UUV program, delivery delays for the first Medium USV, and ongoing additional requirements definition for the Large USV. Further, the Committee notes that the Extra Large UUV [XLUUV] program, which is supposed to deliver five XLUUVs to the fleet, is at least $242,000,000 or 64 percent over its original cost estimate and over 3 years late.

In contrast, the Committee is also aware that the Navy's Anguilla Large UUV program is using a fundamentally different development approach from other Navy USVs and UUVs. This program is executing on time and on budget and reached mission capable status only 4 years after its initial design review. This approach is known as the Open Autonomous Underwater Vehicle [OpenAUV] software architecture, which features the payload controller extensible [PCX] modular open architecture. While recognizing each vehicle will require a tailored approach, the Committee believes that establishing the OpenAUV and PCX architectures as the Navy technical standard for UUVs and USVs would enable greater speed and flexibility in fielding, upgrading, modifying, and sustaining these vehicles for a range of missions. In addition, broader adoption of the OpenAUV architecture would enable greater commercial participation and competition opportunities through the lifecycle of a USV or UUV platform. The Committee is encouraged that the Navy recognizes the potential utility of broader OpenAUV applicability based on the successful integration of the OpenAUV architecture on one Razorback UUV.

Therefore, the Committee directs the Secretary of the Navy to assess the feasibility and advisability of: establishing the OpenAUV and PCX architectures as the Navy standard for UUVs and USVs; accelerating OpenAUV integration on more Razorback UUVs; requiring USV and UUV program managers to review Navy's OpenAUV lessons learned, incorporate best practices, and engage in technical exchanges with performers; implementing OpenAUV on Snakehead UUVs; and maximizing full-and-open competition on UUV and USV solicitations with OpenAUV architectures prescribed. The Secretary is directed to submit this assessment to the congressional defense committees not later than 120 days after the date of enactment of this act.

Direct Air Capture and Blue Carbon.—The Department of Defense Appropriations Act, 2023 (Public Law 117–328) included $10,000,000 for a demonstration of direct air capture and blue carbon removal technology to turn carbon dioxide into clean fuels for enhanced fuel and energy security. The Committee maintains its support of this effort and recommends an additional $10,000,000 within the Research, Development, Test and Evaluation, Navy account for continued demonstrations and encourages the Secretary

of the Navy to examine the possible efficiencies of electrolyzers in the process.

Intelligent Data Management for Distributed Naval Platforms.—The Committee supports the Navy's investment in Distributed Maritime Operations and Naval Operational Architecture. However, the Committee is concerned that technology gaps remain in the ability of distributed systems to successfully operate in intermittent and/or low-data rate communications environments, which can reduce the operational effectiveness of naval units. The Committee encourages the Secretary of the Navy to increase investment in intelligent data management for distributed naval platforms.

Signature Reduction for Naval Platforms.—The Committee supports the Navy's investment in advanced manufacturing and composites for the future fleet that can reduce both weight and signature aspects of U.S. naval platforms. However, the Committee is concerned that a gap exists in the characterization and management of electromagnetic properties inherent in these platforms, as well as in innovations that aim to minimize fleet detection in contested environments. Therefore, the Committee encourages the Secretary of the Navy to increase investment in electromagnetic absorptive structures for naval platforms.

Anti-Corrosion Nanotechnology.—The Committee notes the large costs associated with corrosive prevention and corrosion related maintenance activities of the Navy's ships and submarines. Operations in the Indo-Pacific region require increased resiliency and operational availability due to the vast maritime domain in the region. Therefore, the Committee encourages the Secretary of the Navy to accelerate investment in research and demonstrations of nanotechnology-based innovations that can provide improved corrosion resistance to the fleet, thereby reducing maintenance requirements, and increasing operational availability.

Continuous Distributed Sensing Systems.—The Department of Defense Appropriations Act, 2023 (Public Law 117–328) includes $10,000,000 for the development of undersea continuous distributed sensing systems. The Committee maintains its support for these efforts and encourages the Secretary of the Navy to increase investment in the research and experimentation of persistent undersea surveillance, security, and sensing systems that will complement resident autonomous undersea robotic technologies.

Increased Access to Ocean Data.—As part of broader efforts to standardize and make available oceanographic data, the Committee encourages the Secretary of the Navy to take the steps necessary to ensure the release of and public access to unclassified and declassified oceanographic data, including information about pirate fishing vessels that will help coastal States in Africa and other regions better police their exclusive economic zones, subject to existing regulatory restrictions.

Autonomous Systems for Seabed Warfare.—The Committee recognizes that the Navy has identified the need to enhance the enabling capabilities that will facilitate the advanced artificial intelligence required to conduct truly autonomous seabed warfare with unmanned undersea vehicles independent of the platforms themselves. The Committee notes that gaps still exist in sensor processing and real-time decisionmaking in order to make unmanned

seabed warfare truly reliable and autonomous. Therefore, the Committee encourages the Secretary of the Navy to leverage university and industry partnerships with expertise in autonomous systems to advance these efforts and perform testing with existing ocean test infrastructure in lower sea-state sites to accelerate experimentation.

Expanding Partnerships for Undersea Research.—The Committee notes the Navy's strong partnerships among the naval research labs, academia, and industry. However, the Committee believes partnerships with our industrial base could be expanded to better leverage funded research projects that are also relevant to specific engineering and manufacturing challenges for weapon systems of a higher technical maturity. Therefore, the Committee encourages the Chief of Naval Research to increase collaboration with original equipment manufacturers to identify areas for increased research in advanced materials, additive manufacturing, and non-destructible testing as a means to reduce production timelines and the fielding of capabilities to the fleet.

Solid Fuel Ram Jet Cannon Cartridges.—The Committee understands that solid fuel ram jet technology has the potential to increase the lethality of Navy and Marine Corps cannon cartridges, particularly at hypersonic speeds and against modern tanks. Accordingly, the Committee directs the Secretary of the Navy, not later than 90 days following enactment of this act, to provide a report to the congressional defense committees, on the potential utility of solid fuel ram jet technology to increase the lethality of cannon cartridges. This report shall include an assessment of currently fielded cannon cartridges; related capability gaps; the operational benefits of incorporating solid fuel ram jet technology into existing or follow-on cartridges; and notional costs and schedules for potential courses of action that could achieve such incorporation.

Low-Cost Attritable Aircraft.—The fiscal year 2024 President's budget request includes $126,171,000 for Marine Corps Advanced Technology Development and $177,046,000 for the Marine Corps Warfighting Lab to research and experiment with novel systems to increase the Marine Corps' effectiveness in distributed maritime operations and littoral operations in contested environments, among other missions. The Committee believes that continued investment in low-cost attritable aircraft operating collaboratively can improve the effectiveness of operations in these areas through employment as reconnaissance aids, strike platforms, and contested logistics enablers while reducing the cost risk associated with manned platforms. Therefore, the Committee encourages the Commandant of the Marine Corps to continue exploring novel concepts of operations and employment opportunities for these types of systems.

Virtual Maintenance and Qualification Aids.—With advancements in virtual and augmented reality devices, the Committee believes an opportunity exists to leverage these technologies to speed the maintenance and repair activities across the fleet. Therefore, the Committee encourages the Secretary of the Navy to invest in virtual or semi-virtual systems to accelerate the development of qualified repair procedures for faster qualification of new repairs or

maintenance activities, thereby reducing labor hours and maintenance costs.

Additive Manufacturing for Expeditionary Deployment.—The Committee notes the increased role of additive manufacturing for both new production efforts and maintenance activities. Despite the growth in additive manufacturing, these additive capabilities should continue to mature in ways that reduce the size, weight and power of the equipment to enable tactical expeditionary deployment to reduce the logistical footprint and increase unit effectiveness through increased weapon systems operational availability. Therefore, the Committee encourages the Secretary of the Navy to continue to identify ways in which additive manufacturing tactical capabilities can be employed by our Sailors and Marines.

Marine Energy.—The Committee commends the Office of Naval Research, Naval Facilities Engineering Command, and its university partnerships for sustained investment and advancement of a variety of marine energy systems that can provide a more effective means of power supply to maritime security systems, persistent at-sea surveillance, communications systems, at-sea vehicle charging and shore installations. The Committee encourages the Chief of Naval Research in partnership with research universities to accelerate development, experimentation, and transition of novel marine energy technologies such as wave energy converters [WEC], seabed turbines, integrated or seafloor power, WEC enabled systems, and remote anchoring and micro piling systems. Therefore, the Committee recommends $13,000,000 specifically for wave energy converters and $10,000,000 for marine energy systems for sensors and microgrids.

Underwater Test Facilities.—The Committee notes that as prototyping efforts of unmanned underwater vehicles [UUV] grow with the expanding force structure requirements of these systems, updates to Navy infrastructure will be required to support a larger and more geographically distributed UUV force. Therefore, the Committee encourages the Assistant Secretary of the Navy (Research, Development, and Acquisition) to explore options for additional sites near existing installations that possess the sustainment infrastructure and security requirements, including those installations present near a low sea-state body of water or significant body of freshwater, in an effort to expand undersea testing of these weapon systems.

Crew-Served Weapons Accuracy and Target Acquisition Speed.—The Committee is aware of testing and evaluation at Naval Surface Warfare Center [NSWC] Crane, and NSWC Carderock to improve the situational awareness, accuracy, range, and target acquisition speed of crew-served weapons by the Navy and Marine Corps. Therefore, the Committee encourages the Assistant Secretary of the Navy (Research, Development and Acquisition) to test and evaluate compact and locally operated, active stabilized weapon mounts to satisfy these requirements.

Marinisation of Long Rang and Long Endurance Systems.—The Committee notes that Marine Corps' Force Design 2030 cites the need for investment in unmanned systems with diverse employment platforms and the ability to conduct intelligence, surveillance, and reconnaissance missions or kinetic strikes. Therefore, The

Committee encourages the Commandant of the Marine Corps to evaluate the marinisation of existing platforms, including the Long Range/Long Endurance Small Unmanned Aircraft System to meet the needs identified by Force Design 2030 at lower cost and in a compressed timeline compared to traditional development programs.

Commercial Unmanned Underwater Vehicle Platforms.—The Committee notes that the use of Large Diameter Unmanned Underwater Vehicles [UUVs] has the potential to provide strategic advantages to the Navy. The Committee understands that commercial industry has existing modular, open architecture, and reconfigurable UUV offerings that can operate at a variety of depths and perform a variety of missions. Given proper investment and testing by the Department of the Navy, these systems could be quickly leveraged for mine countermeasures, anti-submarine warfare, anti-surface warfare, electronic warfare, strike, and other missions. The Committee believes that more investment in commercial platforms is needed. Therefore, the Committee directs the Secretary of the Navy, not later than 90 days following enactment of this act, to provide a report to the congressional defense committees that provides a market analysis of the various commercial UUV platforms, categorized by size. The report shall include a technology maturity and risk assessment of each platform, assessment of the readiness to integrate with the Navy's Open Autonomous Underwater Vehicle architecture for each such platform, and an outline of the Navy's planned investments in UUV commercial platforms across the Future Years Defense Program. If necessary, this report may be submitted in a classified form.

Conventional Prompt Strike Test.—The Department of Defense Appropriations Act, 2023 (Public Law 117–328) included $25,000,000 for additional hypersonic glide vehicle test flights using existing launch providers in-order to increase the cadence of our Nation's hypersonic testing. The Committee notes that, this past year the Army and Navy experienced testing challenges in their Joint Flight Test campaign [JFC]. As a result, both the Army and Navy had to submit reprogramming requests totaling $100,000,000 in order to conduct the JFC–2 re-test. As in previous years, the Committee commends the Department of the Navy for continuing its flight test program and notes that challenges in test are not a reason for alarm. However, the extensive re-test cost for JFC–2 supports the Committees previous position that small commercial ground-launched platforms can increase the rate of test flights and quality of test data per-flight at a much lower cost than current practices. While there is no substitute for a full system level flight test program utilizing the intended deployment platforms, the Committee encourages the Director, Strategic Systems Program to evaluate options for additional testing through commercially supported launch platforms to increase the rate and reduce the cost of testing.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

Budget estimate, 2024	$46,565,356,000
Committee recommendation	45,675,802,000

The Committee recommends an appropriation of $45,675,802,000. This is $889,554 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	401,486	431,386	+29,900
2	UNIVERSITY RESEARCH INITIATIVES	182,372	280,472	+98,100
	TOTAL, BASIC RESEARCH	583,858	711,858	+128,000
	APPLIED RESEARCH			
3	FUTURE AF CAPABILITIES APPLIED RESEARCH	90,713	133,440	+42,727
4	UNIVERSITY AFFILIATED RESEARCH CENTER (UARC)—TACTICAL AUTONOMY	8,018	8,018	
5	MATERIALS	142,325	222,325	+80,000
6	AEROSPACE VEHICLE TECHNOLOGIES	161,268	166,268	+5,000
7	HUMAN EFFECTIVENESS APPLIED RESEARCH	146,921	147,921	+1,000
8	AEROSPACE PROPULSION	184,867	231,867	+47,000
9	AEROSPACE SENSORS	216,269	231,269	+15,000
11	SCIENCE AND TECHNOLOGY MANAGEMENT—MAJOR HEADQUARTERS	10,303	10,303	
12	CONVENTIONAL MUNITIONS	160,599	160,599	
13	DIRECTED ENERGY TECHNOLOGY	129,961	118,452	−11,509
14	DOMINANT INFORMATION SCIENCES AND METHODS	182,076	253,076	+71,000
	TOTAL, APPLIED RESEARCH	1,433,320	1,683,538	+250,218
	ADVANCED TECHNOLOGY DEVELOPMENT			
15	FUTURE AF INTEGRATED TECHNOLOGY DEMOS	255,855	190,982	−64,873
16	ADVANCED MATERIALS FOR WEAPON SYSTEMS	30,372	45,339	+14,967
17	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	10,478	10,478	
18	ADVANCED AEROSPACE SENSORS	48,046	45,846	−2,200
19	AEROSPACE TECHNOLOGY DEV/DEMO	51,896	101,528	+49,632
20	AEROSPACE PROPULSION AND POWER TECHNOLOGY	56,789	69,289	+12,500
21	ELECTRONIC COMBAT TECHNOLOGY	32,510	32,510	
22	SCIENCE & TECHNOLOGY FOR NUCLEAR RE–ENTRY SYSTEMS	70,321	70,321	
23	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	2	2	
24	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	15,593	19,781	+4,188
25	CONVENTIONAL WEAPONS TECHNOLOGY	132,311	132,311	
26	ADVANCED WEAPONS TECHNOLOGY	102,997	95,597	−7,400
27	MANUFACTURING TECHNOLOGY PROGRAM	44,422	103,967	+59,545
28	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION	37,779	43,279	+5,500
29	CONTROL AND REPORTING CENTER (CRC)	2,005	2,005	
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	891,376	963,235	+71,859
	ADVANCED COMPONENT DEVELOPMENT			
30	MODULAR ADVANCED MISSILE	105,238		−105,238
31	INTELLIGENCE ADVANCED DEVELOPMENT	6,237	6,237	
32	COMBAT IDENTIFICATION TECHNOLOGY	21,298	21,298	
33	NATO RESEARCH AND DEVELOPMENT	2,208	2,208	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
34	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL	45,319	53,319	+8,000
35	NC3 ADVANCED CONCEPTS	10,011	5,311	−4,700
37	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)	500,575	484,197	−16,378
38	NEXT GENERATION ADAPTIVE PROPULSION (NGAP) Advanced Engine Development	595,352	280,000	−315,352
38a	Next Generation Adaptive Propulsion	.....	595,352	+595,352
39	NC3 COMMERCIAL DEVELOPMENT & PROTOTYPING	78,799	68,799	−10,000
40	DEPT OF THE AIR FORCE TECH ARCHITECTURE	2,620	.....	−2,620
41	E–7	681,039	718,239	+37,200
42	AFWERX PRIME	83,336	83,336	.....
43	LONG RANGE STRIKE—BOMBER	2,984,143	2,984,143	.....
44	RAPID DEFENSE EXPERIMENTATION RESERVE (RDER)	154,300	64,827	−89,473
45	DIRECTED ENERGY PROTOTYPING	1,246	1,246	.....
46	HYPERSONICS PROTOTYPING	150,340	78,540	−71,800
47	HYPERSONICS PROTOTYPING—HYPERSONIC ATTACK CRUISE MISSILE (HACM)	381,528	342,728	−38,800
48	PNT RESILIENCY, MODS AND IMPROVEMENTS	18,041	18,041	.....
49	ADVANCED TECHNOLOGY AND SENSORS	27,650	25,180	−2,470
50	SURVIVABLE AIRBORNE OPERATIONS CENTER	888,829	747,529	−141,300
51	TECHNOLOGY TRANSFER	26,638	40,138	+13,500
52	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM	19,266	19,266	.....
53	CYBER RESILIENCY OF WEAPON SYSTEMS–ACS	37,121	37,121	.....
54	ADAPTIVE ENGINE TRANSITION PROGRAM (AETP)	.....	.....	.....
55	JOINT TRANSPORTATION MANAGEMENT SYSTEM (JTMS)	37,026	37,026	.....
56	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D	31,833	31,833	.....
57	TECH TRANSITION PROGRAM	210,806	205,426	−5,380
58	OPERATIONAL ENERGY AND INSTALLATION RESILIENCE	46,305	35,903	−10,402
59	AIR REFUELING CAPABILITY MODERNIZATION	19,400	19,400	.....
59a	NEXT GENERATION AIR–REFUELING SYSTEM	.....	7,928	+7,928
61	NEXT GENERATION AIR DOMINANCE	2,326,128	2,326,128	.....
62	AUTONOMOUS COLLABORATIVE PLATFORMS	118,826	101,013	−17,813
63	COMBAT IDENTIFICATION	1,902	1,902	.....
64	THREE DIMENSIONAL LONG–RANGE RADAR (3DELRR)	19,763	14,393	−5,370
65	AIRBASE AIR DEFENSE SYSTEMS (ABADS)	78,867	69,302	−9,565
66	WAR RESERVE MATERIEL—AMMUNITION	8,175	8,175	.....
68	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	25,157	25,157	.....
69	MISSION PARTNER ENVIRONMENTS	17,727	17,727	.....
70	CYBER OPERATIONS TECHNOLOGY SUPPORT	.....	.....	.....
71	ENABLED CYBER ACTIVITIES	.....	.....	.....
72	RAPID SUSTAINMENT MODERNIZATION (RSM)	43,431	66,431	+23,000
73	INTEGRATED PRIMARY PREVENTION	9,364	9,364	.....
74	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	28,294	21,172	−7,122
75	US SPACE COMMAND RESEARCH AND DEVELOPMENT SUPPORT	14,892	8,892	−6,000
	TOTAL, ADVANCED COMPONENT DEVELOPMENT	9,859,030	9,684,227	−174,803
	SYSTEM DEVELOPMENT & DEMONSTRATION			
76	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	9,757	9,757	.....
77	PNT RESILIENCY, MODS AND IMPROVEMENTS	163,156	163,156	.....
78	NUCLEAR WEAPONS SUPPORT	45,884	45,884	.....
79	ELECTRONIC WARFARE DEVELOPMENT	13,804	23,804	+10,000
80	TACTICAL DATA NETWORKS ENTERPRISE	74,023	79,023	+5,000
81	PHYSICAL SECURITY EQUIPMENT	10,605	10,605	.....
82	ARMAMENT/ORDNANCE DEVELOPMENT	5,918	5,918	.....
83	SUBMUNITIONS	3,345	3,345	.....
84	AGILE COMBAT SUPPORT	21,967	41,467	+19,500
85	LIFE SUPPORT SYSTEMS	39,301	39,301	.....
86	COMBAT TRAINING RANGES	152,569	158,569	+6,000
87	LONG RANGE STANDOFF WEAPON	911,406	882,633	−28,773
88	ICBM FUZE MODERNIZATION	71,732	71,732	.....
89	JOINT TACTICAL NETWORK CENTER (JTNC)	2,256	2,256	.....
90	JOINT TACTICAL NETWORK (JTN)	452	452	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
91	OPEN ARCHITECTURE MANAGEMENT	36,582	36,582	.....
92	NEXT GENERATION AIR–REFUELING SYSTEM	7,928	.....	−7,928
93	ADVANCED PILOT TRAINING	77,252	74,980	−2,272
94	COMBAT RESCUE HELICOPTER HH–60W	48,268	41,868	−6,400
95	GROUND BASED STRATEGIC DETERRENT EMD	3,746,935	3,759,285	+12,350
96	F–15 EPAWSS	13,982	13,982	.....
97	ISOLATED PERSONNEL SURVIVABILITY AND RECOVERY	56,225	42,285	−13,940
98	STAND IN ATTACK WEAPON	298,585	228,325	−70,260
99	FULL COMBAT MISSION TRAINING	7,597	7,597	.....
100	MEDICAL C–CBRNE PROGRAMS	2,006	2,006	.....
102	ENDURANCE UNMANNED AERIAL VEHICLES	30,000	30,000	.....
103	KC–46A TANKER SQUADRONS	124,662	86,864	−37,798
102A	KC–Y	.....	.....	.....
104	VC–25B	490,701	428,380	−62,321
105	AUTOMATED TEST SYSTEMS	12,911	12,911	.....
106	TRAINING DEVELOPMENTS	1,922	1,922	.....
106A	Over-the-Horizon Backscatter Radar	.....	489,855	+489,855
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	6,481,731	6,794,744	+313,013
	MANAGEMENT SUPPORT			
107	THREAT SIMULATOR DEVELOPMENT	16,626	16,626	.....
108	MAJOR T&E INVESTMENT	31,143	31,143	.....
109	RAND PROJECT AIR FORCE	38,398	38,398	.....
110	SMALL BUSINESS INNOVATION RESEARCH	1,466	.....	−1,466
111	INITIAL OPERATIONAL TEST & EVALUATION	13,736	13,736	.....
112	TEST AND EVALUATION SUPPORT	913,213	918,040	+4,827
113	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	317,901	311,408	−6,493
114	ACQ WORKFORCE- GLOBAL REACH	541,677	532,551	−9,126
115	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	551,213	490,865	−60,348
116	ACQ WORKFORCE- GLOBAL BATTLE MGMT	.....	.....	.....
117	ACQ WORKFORCE- CAPABILITY INTEGRATION	243,780	272,779	+28,999
118	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	109,030	73,767	−35,263
119	ACQ WORKFORCE- NUCLEAR SYSTEMS	336,788	303,675	−33,113
120	MANAGEMENT HQ—R&D	5,005	6,705	+1,700
121	FACILITIES RESTORATION & MODERNIZATION—TEST & EVAL	87,889	87,889	.....
122	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT	35,065	35,065	.....
123	REQUIREMENTS ANALYSIS AND MATURATION	89,956	98,456	+8,500
124	MANAGEMENT HQ—T&E	7,453	7,453	.....
125	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	.....	.....	.....
126	COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4)—STRATCOM	20,871	45,871	+25,000
127	ENTERPRISE INFORMATION SERVICES (EIS)	100,357	100,357	.....
128	ACQUISITION AND MANAGEMENT SUPPORT	20,478	20,478	.....
129	GENERAL SKILL TRAINING	796	796	.....
132	INTERNATIONAL ACTIVITIES	3,917	3,917	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	3,486,758	3,409,975	−76,783
	OPERATIONAL SYSTEMS DEVELOPMENT			
134	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	41,464	26,564	−14,900
135	BATTLE MGMT COM & CTRL SENSOR DEVELOPMENT	40,000	40,000	.....
136	WIDE AREA SURVEILLANCE	8,018	8,018	.....
137	AGILE COMBAT SUPPORT	5,645	5,645	.....
138	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	.....	.....	.....
139	F–35 C2D2	1,275,268	1,270,268	−5,000
140	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF–IPPS)	40,203	40,203	.....
141	ANTI–TAMPER TECHNOLOGY EXECUTIVE AGENCY	49,613	49,613	.....
142	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	93,881	93,881	.....
143	HC/MC–130 RECAP RDT&E	36,536	33,436	−3,100
144	NC3 INTEGRATION	22,910	22,910	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
145	B–52 SQUADRONS	950,815	989,832	+39,017
146	AIR–LAUNCHED CRUISE MISSILE (ALCM)	290	290	
147	B–1B SQUADRONS	12,619	12,619	
148	B–2 SQUADRONS	87,623	76,423	−11,200
149	MINUTEMAN SQUADRONS	33,237	33,237	
150	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	24,653	24,653	
151	SERVICE SUPPORT TO STRATCOM—GLOBAL STRIKE	7,562	7,562	
152	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK			
153	ICBM REENTRY VEHICLES	475,415	475,415	
155	UH–1N REPLACEMENT PROGRAM	25,737	25,737	
156	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION	831	831	
157	NORTH WARNING SYSTEM (NWS)	102		−102
158	OVER–THE–HORIZON BACKSCATTER RADAR	428,754		−428,754
159	VEHICLES AND SUPPORT EQUIPMENT —GENERAL	15,498	15,498	
160	MQ–9 UAV	81,123	81,123	
161	JOINT COUNTER RCIED ELECTRONIC WARFARE	2,303	2,303	
162	MULTI–PLATFORM ELECTRONIC WARFARE EQUIPMENT	7,312	7,312	
163	A–10 SQUADRONS			
164	F–16 SQUADRONS	98,633	101,753	+3,120
165	F–15E SQUADRONS	50,965	50,965	
166	MANNED DESTRUCTIVE SUPPRESSION	16,543	13,322	−3,221
167	F–22 SQUADRONS	725,889	700,984	−24,905
168	F–35 SQUADRONS	97,231	97,231	
169	F–15EX	100,006	100,006	
170	TACTICAL AIM MISSILES	41,958	41,958	
171	ADVANCED MEDIUM RANGE AIR–TO–AIR MISSILE (AMRAAM)	53,679	53,679	
172	COMBAT RESCUE—PARARESCUE	726	726	
173	E–11A	64,888	64,888	
174	AF TENCAP	25,749	22,049	−3,700
175	PRECISION ATTACK SYSTEMS PROCUREMENT	11,872	11,872	
176	COMPASS CALL	66,932	62,315	−4,617
177	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	55,223	60,223	+5,000
178	JOINT AIR–TO–SURFACE STANDOFF MISSILE (JASSM)	132,937	132,937	
179	SMALL DIAMETER BOMB (SDB)	37,518	40,518	+3,000
180	AIR AND SPACE OPERATIONS CENTER (AOC)	72,059	72,059	
181	CONTROL AND REPORTING CENTER (CRC)	17,498	17,498	
182	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)			
182A	AWACS REPLACEMENT			
183	TACTICAL AIRBORNE CONTROL SYSTEMS AFSPECWAR—TACP	2,106	2,106	
185	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	72,010	72,010	
186	THEATER BATTLE MANAGEMENT (TBM) C41	6,467	6,467	
187	ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR)	10,388	10,388	
188	TACTICAL AIR CONTROL PARTY-–MOD	10,060	10,060	
189	DCAPES	8,233	8,233	
190	AIR FORCE CALIBRATION PROGRAMS	2,172	2,172	
192	NATIONAL TECHNICAL NUCLEAR FORENSICS	2,049	2,049	
193	SEEK EAGLE	33,478	33,478	
194	USAF MODELING AND SIMULATION			
195	WARGAMING AND SIMULATION CENTERS	11,894	11,894	
197	DISTRIBUTED TRAINING AND EXERCISES	3,811	3,811	
198	MISSION PLANNING SYSTEMS	96,272	96,272	
199	TACTICAL DECEPTION	26,533	26,533	
200	OPERATIONAL HG—CYBER			
201	DISTRIBUTED CYBER WARFARE OPERATIONS	50,122	41,622	−8,500
202	AF DEFENSIVE CYBERSPACE OPERATIONS	113,064	38,064	−75,000
203	JOINT CYBER COMMAND AND CONTROL (JCC2)			
204	UNIFIED PLATFORM (UP)			
208	INTEL DATA APPLICATIONS	967	967	
209	GEOBASE	1,514	1,514	
210	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)			
211	CYBER SECURITY INTELLIGENCE SUPPORT	8,476	8,476	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
218	AIR FORCE SPACE AND CYBER NON–TRADITIONAL ISR FOR BATTLESPACE AWARENESS	2,890	2,890	.....
219	E–4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	39,868	47,368	+7,500
220	EIT CONNECT	32,900	8,225	−24,675
221	CYBERSPACE OPERATIONS SYSTEMS	4,881	4,881	.....
222	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	33,567	33,567	.....
223	HIGH FREQUENCY RADIO SYSTEMS	40,000	32,300	−7,700
224	INFORMATION SYSTEMS SECURITY PROGRAM	95,523	95,523	.....
226	ALL DOMAIN COMMON PLATFORM	71,296	71,296	.....
227	JOINT MILITARY DECEPTION INITIATIVE	4,682	4,682	.....
228	STRATEGIC MISSION PLANNING & EXECUTION SYSTEM (SMPES)	64,944	64,944	.....
230	AIRBORNE SIGINT ENTERPRISE	108,947	106,633	−2,314
231	COMMERCIAL ECONOMIC ANALYSIS	4,635	4,635	.....
234	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES	13,751	13,751	.....
235	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,660	1,660	.....
236	ISR MODERNIZATION & AUTOMATION DVMT (IMAD)	18,680	13,570	−5,110
237	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	5,031	5,031	.....
238	CYBER SECURITY INITIATIVE	301	301	.....
239	WEATHER SERVICE	26,329	51,329	+25,000
240	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC)	8,751	23,751	+15,000
241	AERIAL TARGETS	6,915	6,915	.....
244	SECURITY AND INVESTIGATIVE ACTIVITIES	352	352	.....
245	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	6,930	6,930	.....
246	INTEGRATED BROADCAST SERVICE	21,588	16,988	−4,600
247	DRAGON U–2	16,842	16,842	.....
248	AIRBORNE RECONNAISSANCE SYSTEMS	43,158	43,158	.....
249	MANNED RECONNAISSANCE SYSTEMS	14,330	14,330	.....
250	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	88,854	88,854	.....
251	RQ–4 UAV	1,242	1,242	.....
252	NETWORK–CENTRIC COLLABORATIVE TARGET (TIARA)	12,496	12,496	.....
253	NATO AGS	2	2	.....
254	SUPPORT TO DCGS ENTERPRISE	31,589	33,589	+2,000
255	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	15,322	15,322	.....
256	RAPID CYBER ACQUISITION	8,830	8,830	.....
257	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,764	2,764	.....
258	INTELLIGENCE MISSION DATA (IMD)	7,090	7,090	.....
259	C–130 AIRLIFT SQUADRON	5,427	6,427	+1,000
260	C–5 AIRLIFT SQUADRONS	29,502	28,286	−1,216
261	C–17 AIRCRAFT	2,753	2,753	.....
262	C–130J PROGRAM	19,100	15,772	−3,328
263	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	5,982	2,654	−3,328
264	KC–135S	51,105	38,675	−12,430
265	CV–22	18,127	17,127	−1,000
266	SPECIAL TACTICS / COMBAT CONTROL	9,198	9,198	.....
267	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	.....	.....	.....
268	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	17,520	17,520	.....
269	AF LVC OPERATIONAL TRAINING (LVC–OT)	25,144	22,144	−3,000
270	OTHER FLIGHT TRAINING	2,265	2,265	.....
272	JOINT PERSONNEL RECOVERY AGENCY	2,266	2,266	.....
273	CIVILIAN COMPENSATION PROGRAM	4,006	4,006	.....
274	PERSONNEL ADMINISTRATION	3,078	3,078	.....
275	AIR FORCE STUDIES AND ANALYSIS AGENCY	5,309	2,309	−3,000
276	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	4,279	4,279	.....
277	DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS)	45,925	45,925	.....
278	SERVICE SUPPORT TO SPACECOM ACTIVITIES	9,778	9,778	.....
9999	CLASSIFIED PROGRAMS	16,814,245	15,967,250	−846,995
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	23,829,283	22,428,225	−1,401,058

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	46,565,356	45,675,802	−889,554

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences	401,486	431,386	+29,900
	Transfer to RDT&E, SF line 1 for space unique S&T			−20,100
	Program increase: Basic research			+50,000
2	University Research Initiatives	182,372	280,472	+98,100
	Transfer to RDT&E, SF line 2 for space unique S&T			−14,400
	Program increase: Behavioral health interventions			+7,500
	Program increase: Defense university research instrumentation program			+50,000
	Program increase: Health and science multidomain operations			+5,000
	Program increase: STEM research			+50,000
3	Future AF Capabilities Applied Research	90,713	133,440	+42,727
	Transfer to RDT&E, SF line 4 for space unique S&T			−7,273
	Program increase: Operational energy research			+50,000
5	Materials	142,325	222,325	+80,000
	Program increase: Accelerated material development for high mach capabilities			+5,000
	Program increase: Advanced composites in hypersonics research			+5,000
	Program increase: Biomaterials for ground infrastructure reinforcement			+5,000
	Program increase: Brain health biomarker and sensor technology			+5,000
	Program increase: Composites for electromagnetic interference shielding			+4,000
	Program increase: Continuous composite 3D printing for topologically optimized structures			+3,000
	Program increase: Continuous fiber 3D printing for hypersonic applications			+10,000
	Program increase: High energy synchrotron x-ray research			+9,000
	Program increase: Infrared meta-material coatings			+2,500
	Program increase: Manufactured radio frequency photonic devices and systems for airborne platforms			+4,000
	Program increase: Minority leaders research collaboration program			+9,000
	Program increase: Multi-functional protective materials			+10,000
	Program increase: Scanning and additive manufacturing			+1,500
	Program increase: Thermal protection for hypersonic vehicles			+7,000
6	Aerospace Vehicle Technologies	161,268	166,268	+5,000
	Program increase: Educational partnership agreement for aerospace engineering systems security integration			+5,000
7	Human Effectiveness Applied Research	146,921	147,921	+1,000
	Program increase: Project refuel			+1,000
8	Aerospace Propulsion	184,867	231,867	+47,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Advanced aerospace fuels for hypersonic propulsion			+7,500
	Program increase: Compact scramjet testing			+12,000
	Program increase: Emergency power and cooling thermal management growth			+10,000
	Program increase: High voltage aircraft power			+2,000
	Program increase: Improving reliability of electrical systems for future aircraft			+3,000
	Program increase: Low-cost small turbine engine			+12,500
9	Aerospace Sensors	216,269	231,269	+15,000
	Program increase: Cyber kinetic combat environment			+15,000
12	Conventional Munitions	160,599	160,599	
	Excess growth			−10,000
	Program increase: Convergence technology research			+10,000
13	Directed Energy Technology	129,961	118,452	−11,509
	Excess to need			−11,509
14	Dominant Information Sciences and Methods	182,076	253,076	+71,000
	Program increase: C–UAS high speed imaging technology			+2,000
	Program increase: Ion trap quantum computing			+5,000
	Program increase: JADC2 operational experimentation testbed			+10,000
	Program increase: Multi-domain RF spectrum environment			+10,000
	Program increase: Photonic quantum computing			+4,000
	Program increase: Quantum network testbed			+10,000
	Program increase: UAS traffic management advanced air mobility enhancements			+10,000
	Program increase: University-based quantum materials applied research			+20,000
15	Future AF Integrated Technology Demos	255,855	190,982	−64,873
	Fight Tonight previously funded			−16,500
	Rocket Cargo insufficient justification			−12,300
	Transfer to RDT&E, SF line 6 for space unique S&T			−29,900
	Transfer to RDT&E, SF line 6 for space unique S&T			−6,173
16	Advanced Materials for Weapon Systems	30,372	45,339	+14,967
	Transfer to RDT&E, SF line 6 for space unique S&T			−3,033
	Program increase: Certification for advanced materials			+18,000
18	Advanced Aerospace Sensors	48,046	45,846	−2,200
	Multi-Spectrum Sensing Demonstration excess to need			−2,200
19	Aerospace Technology Dev/Demo	51,896	101,528	+49,632
	Program increase: Autonomous air to air refueling			+2,000
	Program increase: Bonded unitized composites large scale structural demonstration			+10,000
	Program increase: Long duration, broad-area,multi-sensor capability			+28,132
	Program increase: Low-profile laser beam director for high speed aircraft			+2,000
	Program increase: Reusable hypersonic technology			+7,500
20	Aerospace Propulsion and Power Technology	56,789	69,289	+12,500
	Program increase: Liquid engine for hypersonic testing			+5,000
	Program increase: Quiet electric aircraft propulsion			+2,500
	Program increase: Silicon carbide research			+5,000
24	Human Effectiveness Advanced Technology Development	15,593	19,781	+4,188
	Transfer to RDT&E, SF line 6 for space unique S&T			−812
	Program increase: Tactical personal area network			+5,000
26	Advanced Weapons Technology	102,997	95,597	−7,400
	High Power Microwave excess growth			−12,400
	Program increase: LIDAR CUAS automated target recognition			+5,000
27	Manufacturing Technology Program	44,422	103,967	+59,545
	Transfer to RDT&E, SF line 6 for space unique S&T			−1,955

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Additive manufactured lightweight UAV skins			+3,000
	Program increase: AI robotic manufacturing			+5,000
	Program increase: Composites for advanced air mobility			+7,000
	Program increase: Digital engineering enabled workforce development			+5,000
	Program increase: Expansion of thermoplastic composites and alternatives to critical minerals			+7,500
	Program increase: Gallium oxide for high power electronics			+5,000
	Program increase: Glass packaging solutions for miniaturization			+2,000
	Program increase: Hypersonics development to accelerate production readiness			+12,000
	Program increase: MRO advanced process technology development			+5,000
	Program increase: Needled thermoplastic composite textiles for low-cost, complex aerostructures			+5,000
	Program increase: Operationalizing additive manufacturing for sustainment and modernization research			+5,000
28	Battlespace Knowledge Development and Demonstration	37,779	43,279	+5,500
	Program increase: B–52 agile pod capability			+2,000
	Program increase: Nationwide integration of time resiliency for operations			+1,000
	Program increase: Programmable computing fabric networks			+2,500
30	Modular Advanced Missile	105,238		−105,238
	Program decrease			−105,238
34	Intercontinental Ballistic Missile—Dem/Val	45,319	53,319	+8,000
	Program increase: AFGSC modernization and enhancement of mission capabilities			+8,000
35	NC3 Advanced Concepts	10,011	5,311	−4,700
	NC3 underexecution			−4,700
37	Advanced Battle Management System [ABMS]	500,575	484,197	−16,378
	Architecture Design and Evaluation excess to need			−7,078
	CBC2 ahead of need			−15,000
	AEN ahead of need			−10,000
	Program increase: Digital transformation hub			+6,000
	Program increase: Digital transformation office			+9,700
38	Advanced Engine Development	595,352	280,000	−315,352
	Transfer to line 38a for NGAP			−595,352
	Program increase: Future engine technologies			+280,000
38a	Next Generation Adaptive Propulsion		595,352	+595,352
	Transfer from line 38 for NGAP			+595,352
39	NC3 Commercial Development & Prototyping	78,799	68,799	−10,000
	Prototype Terminals carryover			−10,000
40	Dept of the Air Force Tech Architecture	2,620		−2,620
	Air Force requested transfer to line 57			−2,620
41	E–7	681,039	718,239	+37,200
	Program increase: E–7			+37,200
44	Rapid Defense Experimentation Reserve [RDER]	154,300	64,827	−89,473
	Program decrease			−89,473
46	Hypersonics Prototyping	150,340	78,540	−71,800
	Excess to need			−71,800
47	Hypersonics Prototyping—Hypersonic Attack Cruise Missile [HACM]	381,528	342,728	−38,800
	Risk reduction excess to need			−41,800
	Program increase: Accelerate air-breathing hypersonic manufacturing AUR maturation			+3,000
49	Advanced Technology and Sensors	27,650	25,180	−2,470
	Imaging and Targeting Support excess growth			−2,470
50	Survivable Airborne Operations Center (SAOC)	888,829	747,529	−141,300
	Test ahead of need			−25,300

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Excess test aircraft			−116,000
51	Technology Transfer	26,638	40,138	+13,500
	Program increase: Air force applied innovation training			+5,000
	Program increase: Innovative solutions to enhance warfighter readiness			+2,000
	Program increase: Laboratory technology transfer			+4,000
	Program increase: Partnership intermediary program			+2,500
57	Tech Transition Program	210,806	205,426	−5,380
	Blended Wing Body excess to need			−8,000
	Air Force requested transfer from line 40			+2,620
58	Operational Energy and Installation Resilience	46,305	35,903	−10,402
	Excess growth			−10,402
59a	Next Generation Air-refueling System		7,928	+7,928
	Air Force requested transfer from line 92			+7,928
62	Autonomous Collaborative Platforms	118,826	101,013	−17,813
	VENOM test support—Air Force requested transfer to line 112			−17,813
64	Three Dimensional Long-Range Radar (3DELRR)	19,763	14,393	−5,370
	Support funding ahead of need			−1,470
	Testing previously funded			−3,900
65	Airbase Air Defense Systems [ABADS]	78,867	69,302	−9,565
	Prototype development previously funded			−9,565
72	Rapid Sustainment Modernization [RSM]	43,431	66,431	+23,000
	Program increase: 3D interactive instructions			+3,000
	Program increase: Digital part transformation to support operational readiness			+20,000
74	Contracting Information Technology System	28,294	21,172	−7,122
	Excess growth			−7,122
75	U.S. Space Command Research and Development Support	14,892	8,892	−6,000
	Underexecution			−6,000
79	Electronic Warfare Development	13,804	23,804	+10,000
	Program increase: AI and machine learning enabled electronic warfare systems			+10,000
80	Tactical Data Networks Enterprise	74,023	79,023	+5,000
	SPoC radio—Air Force requested transfer from line 139			+5,000
84	Agile Combat Support	21,967	41,467	+19,500
	Program increase: Arctic campaigning			+4,000
	Program increase: Arctic capable prepositioned shelter			+5,500
	Program increase: Automated heavy machinery			+10,000
86	Combat Training Ranges	152,569	158,569	+6,000
	Program increase: Joint pacific Alaska range complex			+6,000
87	Long Range Standoff Weapon	911,406	882,633	−28,773
	Weapons Development carryover			−8,773
	Air Force requested transfer: From RDAF line R–87 to OMAF line 011R due to programming error for LRSO facility costs			−20,000
92	Next Generation Air-refueling System	7,928		−7,928
	Air Force requested transfer to line 59a			−7,928
93	Advanced Pilot Training	77,252	74,980	−2,272
	EMD carryover			−2,272
94	HH–60W	48,268	41,868	−6,400
	Capability Upgrades early to need			−6,400
95	Ground Based Strategic Deterrent EMD	3,746,935	3,759,285	+12,350
	Air Force Requested transfer to APAF Line 61 for SLP–A capability			−7,650
	Program increase: Construction and infrastructure surveys and evaluation			+20,000
97	Isolated Personnel Survivability and Recovery	56,225	42,285	−13,940
	CSAR EMD carryover			−13,940
98	Stand In Attack Weapon	298,585	228,325	−70,260
	SiAW Development carryover			−57,260
	Aircraft integration delays			−13,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
103	KC–46A Tanker Squadrons	124,662	86,864	−37,798
	TOLD execution delays			−3,214
	KC–46 Test funding requested ahead of need			−7,384
	LTTAMS carryover			−10,000
	BTAR carryover			−3,400
	Trainer development funding requested ahead of need			−13,800
104	VC–25B	490,701	428,380	−62,321
	Funding ahead of need			−62,321
106A	Over-the-Horizon Backscatter Radar		489,855	+489,855
	Air Force requested transfer from line 158			+424,855
	Program increase: ARCHER			+10,000
	Program increase: Over the Horizon Radar capability acceleration			+55,000
110	Small Business Innovation Research	1,466		−1,466
	Programming error			−1,466
112	Test and Evaluation Support	913,213	918,040	+4,827
	VENOM test support—Air Force requested transfer from line 62			+17,813
	Air Force requested realignment for Civ Pay			+15,000
	Projected underexecution			−27,986
113	Acq Workforce- Global Vig & Combat Sys	317,901	311,408	−6,493
	Projected underexecution			−6,493
114	Acq Workforce- Global Reach	541,677	532,551	−9,126
	Projected underexecution			−12,126
	Program increase: Digital transformation digital technology maturation and adoption			+3,000
115	Acq Workforce- Cyber, Network, & Bus Sys	551,213	490,865	−60,348
	Air Force requested realignment for Civ Pay			−14,700
	Projected underexecution			−45,648
117	Acq Workforce- Capability Integration	243,780	272,779	+28,999
	Air Force requested realignment for Civ Pay			+30,000
	Projected underexecution			−1,001
118	Acq Workforce- Advanced Prgm Technology	109,030	73,767	−35,263
	Air Force requested realignment for Civ Pay			−32,000
	Projected underexecution			−3,263
119	Acq Workforce- Nuclear Systems	336,788	303,675	−33,113
	Projected underexecution			−33,113
120	Management HQ—R&D	5,005	6,705	+1,700
	Air Force requested realignment for Civ Pay			+1,700
123	Requirements Analysis and Maturation	89,956	98,456	+8,500
	Program increase: Rapid innovation capability			+8,500
126	Command, Control, Communication, and Computers (C4)—STRATCOM	20,871	45,871	+25,000
	Program increase: NC3 network sensor demonstration			+15,000
	Program increase: NC3 REACH			+10,000
134	Specialized Undergraduate Flight Training	41,464	26,564	−14,900
	ARP previously funded			−14,900
139	F–35 C2D2	1,275,268	1,270,268	−5,000
	SPoC radio—Air Force requested transfer to line 80			−5,000
143	HC/MC–130 Recap RDT&E	36,536	33,436	−3,100
	Communications Modernization Phase II early to need			−3,100
145	B–52 Squadrons	950,815	989,832	+39,017
	Air Force requested transfer from APAF Line 21 for crypto modernization			+14,017
	Program increase: Innovative projects for B–52 modernization			+25,000
148	B–2 Squadrons	87,623	76,423	−11,200
	MDU–R execution delays			−11,200
157	North Warning System [NWS]	102		−102
	Programming error			−102
158	Over-the-Horizon Backscatter Radar	428,754		−428,754
	OTHR MITRE excess to need			−3,899
	Air Force requested transfer to line 106a			−424,855
164	F–16 Squadrons	98,633	101,753	+3,120

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	STP excess to need			−100
	AIFF Mode 5 excess to need			−100
	AESA radar excess to need			−100
	IVEWS excess to need			−100
	MIDS–JTRS excess to need			−100
	M–Code carryover			−1,380
	Program increase: Lithium battery replacement for F–16 hydrazine emergency power units			+5,000
166	Manned Destructive Suppression	16,543	13,322	−3,221
	Cost savings			−3,221
167	F–22A Squadrons	725,889	700,984	−24,905
	Sensor Enhancements DT/OT early to need			−12,225
	IRDS excess to need			−7,180
	Crypto Modernization HW development early to need			−5,500
174	AF TENCAP	25,749	22,049	−3,700
	Exploitation Applications excess growth			−3,700
176	Compass Call	66,932	62,315	−4,617
	Test and evaluation underexecution			−4,617
177	Aircraft Engine Component Improvement Program	55,223	60,223	+5,000
	Program increase: Additive manufacturing for aircraft sustainment			+5,000
179	Small Diameter Bomb [SDB]	37,518	40,518	+3,000
	Program increase: Precise navigation			+3,000
201	Distributed Cyber Warfare Operations	50,122	41,622	−8,500
	Access/Infrastructure unjustified growth			−8,500
202	AF Defensive Cyberspace Operations	113,064	38,064	−75,000
	IDCDS Development unjustified request			−75,000
219	E–4B National Airborne Operations Center [NAOC]	39,868	47,368	+7,500
	Program increase: Next generation satellite communication capabilities			+7,500
220	EIT CONNECT	32,900	8,225	−24,675
	Enterprise IT Diverse Data-Routing Network unjustified request			−24,675
223	High Frequency Radio Systems	40,000	32,300	−7,700
	Test assets excess to need			−7,700
230	Airborne SIGINT Enterprise	108,947	106,633	−2,314
	Underexecution			−2,314
236	ISR Modernization & Automation Dvmt [IMAD]	18,680	13,570	−5,110
	Algorithmic warfare unjustified growth			−5,110
239	Weather Service	26,329	51,329	+25,000
	Program increase: Air force weather transformation			+10,000
	Program increase: Machine learning global weather forecasting			+6,000
	Program increase: Weather wing data migration			+9,000
240	Air Traffic Control, Approach, and Landing System (ATCALS)	8,751	23,751	+15,000
	Program increase: Mobile air traffic surveillance system			+15,000
246	Integrated Broadcast Service [IBS]	21,588	16,988	−4,600
	Unjustified growth			−4,600
254	Support to DCGS Enterprise	31,589	33,589	+2,000
	Program increase: Computer vision platform for high-altitude imagery object re-identification			+2,000
259	C–130 Airlift Squadron	5,427	6,427	+1,000
	Program increase: Infrared suppressor system modification testing			+1,000
260	C–5 Airlift Squadrons (IF)	29,502	28,286	−1,216
	SIL early to need			−1,216
262	C–130J Program	19,100	15,772	−3,328
	Block 8.1 excess to need			−2,900
	MILSATCOM carryover			−428
263	Large Aircraft IR Countermeasures [LAIRCM]	5,982	2,654	−3,328
	Threat Analysis excess growth			−3,328
264	KC–135s	51,105	38,675	−12,430
	CCR early to need			−5,182

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Comm 2 early to need			−1,583
	HFM early to need			−1,415
	Winglets early to need			−4,250
265	CV–22	18,127	17,127	−1,000
	Core Avionics carryover			−1,000
269	AF LVC Operational Training (LVC–OT)	25,144	22,144	−3,000
	Direct Mission Support previously funded			−3,000
275	Air Force Studies and Analysis Agency	5,309	2,309	−3,000
	Modeling and Simulation Development excess growth			−3,000
999	Classified Programs	16,814,245	15,967,250	−846,995
	Classified adjustment			−846,995

Warfighter Technologist.—The Committee recognizes the Department of the Air Force for efforts made in streamlining and bolstering the Warfighter Technologist [WARTECH] process in the Transformational portfolio. This process involves the warfighter, emergent technologies, industry, and program offices in collaboratively identifying, developing, and transitioning needed capabilities. A pipeline of multiple innovative technology efforts feeds a careful selection of Vanguard programs that ultimately transition into programs of record to deliver game-changing capabilities to the warfighter. The Committee commends the Department of the Air Force for developing a codified process with a transition plan that seeks to bridge the valley of death and develop successful enduring programs, and allows a 16.5 percent growth in fiscal year 2024 over fiscal year 2023. Reductions recommended to the Future Air Force Integrated Technology Demos program element were developed only in response to specific programmatic delays or execution concerns, as well as transfers to Research and Development, Space Force for space unique science and technology for proper execution.

Novel Electromagnetic Shielding.—The Committee recognizes that electromagnetic interference shielding properties of novel materials can support the warfighter's communication and sensing operations. MXenes are a promising class of two-dimensional materials that are easy to synthesize and integrate into tactical coatings for military assets. Therefore, the Committee encourages the Secretary of the Air Force to explore the integration of MXenes into composite coatings for electromagnetic shielding applications.

Hypersonic Systems.—The Committee supports the Department of the Air Force decision to prioritize the development of hypersonic systems in the face of unprecedented competition from near-peer adversaries. Hypersonic systems allow United States armed forces to respond to time-critical situations from great distances. The Committee encourages the Commander, Air Force Research Laboratory to explore the use of advanced propulsion technologies, full-scale determinant assembly, additive manufacturing technologies to produce unique component geometries, and exquisite materials such as alloys and composites capable of withstanding extreme hypersonic temperatures. Further, the Committee encourages the Commander, Air Force Research Laboratory to develop an effective partnership with industry and academia to address these challenges. Finally, the Committee recognizes the importance of testing hypersonic weapon systems. Therefore, the Secretary of Air Force

is directed to submit to the congressional defense committees not later than 90 days after enactment of this act a report outlining the near-term improvements needed for the ground test facilities. The report shall indicate the level of funding required and when the shortfalls will be addressed.

Cyber Kinetic Combat Environment.—The Committee is encouraged by the progress to address research and training in the multi-domain operations environment. Particularly, the Committee supports the Department of the Air Force's efforts to build out a research and training environment to replicate multi-domain operations. The Committee encourages the Secretary of the Air Force to collaborate with universities in order to continue research and training in integrated warfare.

Composite Manufacturing.—The Committee understands that future Air Force platforms require scalable and responsive composite aerostructure manufacturing approaches to achieve affordable quantities at scale, and that the need to repair composite structures will grow as their use increases. The Committee encourages the Secretary of the Air Force to partner with experienced industry providers and suppliers to define a certification protocol for composite structures and repairs.

Novel Artificial Intelligence-Enabled Robotic Manufacturing.—The Committee is aware of the use of innovative robotic manufacturing systems that are increasing force readiness by addressing critical manufacturing gaps and notes that these novel solutions result in timely and cost-effective repairs during depot level maintenance. The Committee supports the continued and expanded use of Artificial Intelligence [AI]-enabled robotics to enhance personnel safety, produce higher quality components, reduce tooling and procurement times, and reduce costs. Therefore, the Committee encourages the Secretary of the Air Force to continue development of AI-enabled robotic manufacturing systems and to share best practices and lessons learned across the Department of Defense.

Future Engine Technologies.—The Advanced Engine Development program is designed to mature engine technologies, create new engine architectures, promote new engine design techniques, and improve engine manufacturing processes. Ultimately, these new technologies and designs are validated through prototype testing with successful efforts transitioning to future engine efforts at a higher technology readiness level. The Committee recognizes the importance of these efforts particularly as they pertain to maintaining a skilled engineering and manufacturing workforce in the domestic fighter aircraft engine industry.

The Committee is concerned that a skilled workforce across the domestic military aircraft engine industrial base will degrade if sufficient work and the requisite funding are not available. Therefore, the Committee recommends an additional $280,000,000 in the Advanced Engine Development budget line only to develop advanced engine technologies for integration into future engine development programs.

Future engine technologies include, but are not limited to, engine component development using improved manufacturing techniques and novel materials and the integration of enhanced digital design capabilities into the engine development process. The use of proto-

typing to validate advanced component capabilities through testing is encouraged. Finally, the Assistant Secretary of Air Force (Acquisition, Technology, and Logistics) is directed to provide to the congressional defense committees not later than 90 days after enactment of this act a briefing describing how the Air Force intends to ensure there is a sufficient level of engine design work in order to maintain a robust domestic aircraft engine industrial base.

Next Generation Adaptive Propulsion.—The fiscal year 2024 President's budget request includes $595,352,000 for Next Generation Adaptive Propulsion [NGAP]. The NGAP effort will design and perform component risk reduction for adaptive engine prototypes enabling Next Generation Air Dominance capabilities. The Committee notes that funding for NGAP has been requested within the Advanced Engine Development program element along with other advanced engine efforts. The Committee believes that in order to ensure visibility into cost and performance, and to provide traceability of appropriated funding, NGAP should be budgeted for in an individual, dedicated program element. Therefore, the Committee establishes a new budget line for NGAP as delineated in the table of Committee Recommended Adjustments accompanying this section, and directs the Secretary of the Air Force to retain this program element structure in the fiscal year 2025 and future President's budget requests.

E–7 Wedgetail.—The Committee strongly supports the E–7 Wedgetail program and remains invested in its continued success. The Committee emphasizes the importance of a robust organizational structure and personnel resources to ensure the success of the E–7 program. Therefore, not later than 90 days after enactment of this act, the Secretary of the Air Force is directed to submit to the congressional defense committees a detailed plan for the organizational structure and staffing of the E–7 program office.

Electric Vertical Take-Off and Landing.—The Committee believes that there is significant potential for the development of cost-effective Electric Vertical Take-Off and Landing Vehicles [eVTOLs] that can serve the needs of the warfighter, particularly in the role of personnel recovery, medevac, and logistic resupply. The Committee is concerned that the Air Force does not have a sufficient plan for the testing, acquisition, and fielding of this capability into the force in the near term. Therefore, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees no later than 90 days after enactment of this act on Air Force future plans for eVTOLs that include the following elements: (1) A status of current and future eVTOL research and development programs, (2) Plans and potential locations for testing civilian eVTOLs, (3) A summary of acquisition efforts to include planned and programmed funding, (4) Expected operational use cases for these aircraft, (5) Issues and problems experienced or anticipated in the effort to acquire eVTOL aircraft for operational use in the Air Force.

Survivable Airborne Operations Center.—The Committee recognizes the importance of an airborne node of the National Military Command System and supports replacing the aging E–4B National Airborne Operations Center [NAOC] with the Survivable Airborne Operations Center [SAOC] program. The Committee notes that the

SAOC program is positioned to complete a competitive source selection and then enter the Engineering Manufacturing and Development stage of development, and that the fiscal year 2024 President's budget request includes funding for four test aircraft to enable test, training, and product support activities. Based on previous program plans, the Committee believes that procuring three test aircraft in fiscal year 2024 is sufficient to perform system development, integration activities, and a flight test program prior to the retirement of the NAOC. Therefore, the Committee recommends $747,529,000 for three test aircraft and associated development activities.

Integrated Digital Engineering.—The Committee supports the Department of the Air Force efforts to work with small businesses to expand the use of digital engineering to meet the evolving needs of the military. The Committee encourages the Secretary of the Air Force to work with industry to develop additive manufacturing with integrated digital engineering capabilities.

Sentinel Manpower.—As addressed elsewhere in this report, the Committee is supportive of the Sentinel program, the upgrade to the land-based leg of the nuclear triad, and understands the complexity of the total weapon system replacement of Minuteman III. The Committee notes that the current program plan to convert 450 launch facilities over 9 years while maintaining the current Minuteman III capability will require significant resources and extensive program management. Given the vast level of effort required for this undertaking, the Committee is concerned about the program's ability to identify, hire, and retain a skilled workforce in a timely manner. Therefore, the Secretary of the Air Force is directed to submit to the congressional defense committees no later than 90 days after enactment of this act, and on a quarterly basis thereafter, a detailed manpower plan for development, construction, and fielding of Sentinel. This report shall identify the different trades required to complete the facilities, skilled labor, and nonskilled labor over a period of 9 years, or the length of time it takes to complete the launch facilities. The report shall also contain annual and semi-annual hiring rates, updates by location, and all required skillsets. Finally, the report shall identify any gaps by trade or by skillset and the Air Force's plans to mitigate these gaps and risks to the program.

Disaggregated Multi-function Sensors.—The Committee notes the requirement for long-range sensors supporting operations in highly contested environments and notes that distributing and networking capabilities across the battlespace improve survivability in a complex and challenged threat environment. The Committee encourages the Secretary of Air Force to continue development of disaggregated multi-function sensors.

Weather Wing Data Migration.—The Committee supports the 557th Weather Wing's efforts to transition its data processing operations to a data-centric, secure cloud-based architecture. Therefore, the Committee recommends an additional $9,000,000 to accelerate the transition.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE

Budget estimate, 2024 ..... $19,199,340,000
Committee recommendation 18,842,930,000

The Committee recommends an appropriation of $18,842,930,000. This is $356,410,000 below the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE			
	BASIC RESEARCH			
1	DEFENSE RESEARCH SCIENCES	.....	70,100	+70,100
2	UNIVERSITY RESEARCH INITIATIVES	.....	114,400	+114,400
	TOTAL, BASIC RESEARCH	.....	184,500	+184,500
	APPLIED RESEARCH			
4	SPACE TECHNOLOGY	206,196	321,592	+115,396
	TOTAL, APPLIED RESEARCH	206,196	321,592	+115,396
	ADVANCED TECHNOLOGY DEVELOPMENT			
5	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT	472,493	453,093	−19,400
6	SPACE ADVANCED TECHNOLOGY DEVELOPMENT/DEMO	110,033	164,906	+54,873
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	582,526	617,999	+35,473
	ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES			
7	SPACE FORCE WEATHER SERVICES RESEARCH	849	849	.....
8	SPACE FORCE IT, DATA ANALYTICS, DIGITAL SOLUTIONS	61,723	61,723	.....
9	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	353,807	321,867	−31,940
10	SPACE WARFIGHTING ANALYSIS	95,541	95,541	.....
11	EO/IR WEATHER SYSTEMS	95,615	66,509	−29,106
13	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	2,081,307	2,027,532	−53,775
15	SPACE SITUATION AWARENESS SYSTEM	.....	.....	.....
16	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	145,948	98,975	−46,973
17	SPACE CONTROL TECHNOLOGY	58,374	58,374	.....
18	TECH TRANSITION (SPACE)	164,649	164,649	.....
19	SPACE SECURITY AND DEFENSE PROGRAMS (SSDP)	59,784	59,784	.....
20	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	76,554	76,554	.....
21	PROTECTED TACTICAL SERVICE (PTS)	360,126	233,596	−126,530
22	EVOLVED STRATEGIC SATCOM (ESS)	632,833	361,790	−271,043
23	SPACE RAPID CAPABILITIES OFFICE	12,036	19,536	+7,500
24	TACTICALLY RESPONSE SPACE	30,000	30,000	.....
20A	ON–BOARD RESILIENCY	.....	.....	.....
	TOTAL, ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES	4,229,146	3,677,279	−551,867
	SYSTEM DEVELOPMENT AND DEMONSTRATION			
25	GPS III FOLLOW–ON (GPS IIIF)	308,999	292,185	−16,814
26	SPACE SITUATION AWARENESS OPERATIONS	.....	.....	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
27	COUNTERSPACE SYSTEMS	36,537	36,537	.....
28	WEATHER SYSTEM FOLLOW–ON	79,727	76,927	−2,800
29	SPACE SITUATION AWARENESS SYSTEMS	372,827	372,827	.....
30	ADVANCED EHF MILSATCOM (SPACE)	4,068	4,068	.....
31	POLAR MILSATCOM (SPACE)	73,757	54,422	−19,335
32	WIDEBAND GLOBAL SATCOM (SPACE)	49,445	35,620	−13,825
33	NEXT GENERATION OPIR—GROUND	661,367	575,875	−85,492
34	NEXT GENERATION OPIR	222,178	192,366	−29,812
35	NEXT GENERATION OPIR—GEO	719,731	691,069	−28,662
36	NEXT GENERATION OPIR—POLAR	1,013,478	751,578	−261,900
37	COMMERCIAL SERVICES	73,501	121,413	+47,912
38	RESILIENT MISSILE WARNING MISSILE TRACKING—LOW EARTH ORBIT (LEO)	1,266,437	1,519,222	+252,785
39	RESILIENT MISSILE WARNING MISSILE TRACKING—MEDIUM EARTH ORBIT (MEO)	538,208	684,675	+146,467
40	RESILIENT MISSILE WARNING MISSILE TRACKING—INTEGRATED GROUND SEGMENT	505,569	.....	−505,569
41	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)—EMD	82,188	162,188	+80,000
	TOTAL, SYSTEM DEVELOPMENT AND DEMONSTRATION	6,008,017	5,570,972	−437,045
	MANAGEMENT SUPPORT			
43	SPACE WARFIGHTING ANALYSIS	3,568	3,568	.....
45	SPACE TEST AND TRAINING RANGE DEVELOPMENT	.....	.....	.....
46	ACQ WORKFORCE—SPACE & MISSILE SYSTEMS	258,969	253,786	−5,183
47	SPACE & MISSILE SYSTEMS CENTER—MHA	13,694	15,053	+1,359
48	SPACE TECHNOLOGY	91,778	.....	−91,778
49	MAJOR T&E INVESTMENT—SPACE	146,797	146,797	.....
50	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	18,023	43,023	+25,000
51	TACTICALLY RESPONSIVE LAUNCH	.....	.....	.....
52	SPACE TEST PROGRAM (STP)	30,192	30,192	.....
	TOTAL, RDT&E MANAGEMENT SUPPORT	563,021	492,419	−70,602
	OPERATIONAL SYSTEMS DEVELOPMENT			
54	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	.....	.....	.....
55	FAMILY OF ADVANCED BLOS TERMINALS (FAB–T)	91,369	91,369	.....
56	DCO–SPACE	76,003	62,616	−13,387
57	NARROWBAND SATELLITE COMMUNICATIONS	230,785	215,819	−14,966
58	SATELLITE CONTROL NETWORK (SPACE)	86,465	84,365	−2,100
59	LONG RANGE KILL CHAINS	243,036	193,036	−50,000
60	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	.....	.....	.....
61	SPACE AND MISSILE TEST EVALUATION CENTER	22,039	22,039	.....
62	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	41,483	43,483	+2,000
63	SPACELIFT RANGE SYSTEM (SPACE)	11,175	11,175	.....
64	GPS III SPACE SEGMENT	.....	.....	.....
65	SPACE SUPERIORITY ISR	28,730	28,730	.....
66	NATIONAL SPACE DEFENSE CENTER (NSDC)	.....	.....	.....
67	BALLISTIC MISSILE DEFENSE RADARS	20,752	28,752	+8,000
68	NCMC TW/AA SYSTEM	25,545	25,545	.....
69	NUDET DETECTION SYSTEM (SPACE)	93,391	93,391	.....
70	SPACE SITUATION AWARENESS OPERATIONS	264,966	276,824	+11,858
71	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CONTROL SEGMENT	317,309	233,439	−83,870
75	ENTERPRISE GROUND SERVICES	155,825	155,825	.....
76	JOINT TACTICAL GROUND SYSTEM	14,568	14,568	.....
999	CLASSIFIED PROGRAMS	5,764,667	6,274,867	+510,200

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	7,488,108	7,855,843	+367,735
78	SPACE COMMAND & CONTROL—SOFTWARE PILOT PROGRAM	122,326	122,326	
	TOTAL, SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS	122,326	122,326	
	TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE	19,199,340	18,842,930	−356,410

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Defense Research Sciences		70,100	+70,100
	Transfer from RDT&E, AF line 1 for space unique S&T			+20,100
	Program increase: Basic research			+50,000
2	University Research Initiatives		114,400	+114,400
	Transfer from RDT&E, AF line 2 for space unique S&T			+14,400
	Program increase: Defense university research instrumentation program			+50,000
	Program increase: STEM research			+50,000
4	Space Technology	206,196	321,592	+115,396
	Prior year underexecution			−2,765
	Air Force-requested technical realignment from line 48 for civilian personnel			+72,888
	Transfer from RDT&E, AF line 3 for space unique S&T			+7,273
	Program increase: Autonomous RPOD			+10,000
	Program increase: High-efficiency solar chiplet arrays for LEO satellites			+5,000
	Program increase: On-orbit bi-propellant propulsion			+2,000
	Program increase: Space modeling, simulation, and analysis hub			+7,500
	Program increase: Space situational awareness ground infrastructure			+5,000
	Program increase: Space qualified solar cell manufacturing			+4,000
	Program increase: Sub-zero volt lithium-ion battery			+2,500
	Program increase: Software development for RPO to support space domain awareness			+2,000
5	Space Science and Technology Research and Development	472,493	453,093	−19,400
	Prior year carryover			−41,400
	Program increase: Space sensor fusion			+6,500
	Program increase: Defense of LEO			+10,500
	Program increase: Isotope power systems			+5,000
6	Space Advanced Technology Development/Demo	110,033	164,906	+54,873
	Transfer from RDT&E, AF line 15 for space unique S&T			+36,073
	Transfer from RDT&E, AF line 16 for space unique S&T			+812
	Transfer from RDT&E, AF line 24 for space unique S&T			+3,033
	Transfer from RDT&E, AF line 27 for space unique S&T			+1,955
	Program increase: EO and LADAR for early threat detection			+5,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Modular multi-mode propulsion system			+8,000
9	NAVSTAR Global Positioning System (User Equipment) (SPACE)	353,807	321,867	−31,940
	Inc 1 platform integration excess to need			−24,980
	Inc 2 handheld delay			−6,960
11	EO/IR Weather Systems	95,615	66,509	−29,106
	Demo 2 acquisition strategy			−29,106
13	Space Technology Development and Prototyping	2,081,307	2,027,532	−53,775
	Tranche 0 savings			−53,775
16	Space Systems Prototype Transitions [SSPT]	145,948	98,975	−46,973
	Unjustified Air Force-requested technical adjustment			−40,000
	ROOSTER launch support ahead of need			−8,472
	LDPE–2 and 3A launch support previously funded			−1,001
	Program increase: GEO SmallSat communications technology			+2,500
21	Protected Tactical Service [PTS]	360,126	233,596	−126,530
	Reduce EMD and rapid prototyping concurrency			−108,356
	ECO FFP reduction			−12,600
	Overestimation of A&AS			−5,574
22	Evolved Strategic SATCOM [ESS]	632,833	361,790	−271,043
	Vendor termination			−127,600
	Griffon follow-on ahead of need			−10,650
	ECO excess with FFP construct			−28,412
	Overestimation of A&AS			−23,615
	Overestimation of SE&I			−4,477
	End cryptologic contract delay			−37,811
	Ground segment contract delay			−38,478
23	Space Rapid Capabilities Office	12,036	19,536	+7,500
	Program increase: Digital Beamforming ground-based C2			+7,500
25	GPS III Follow-On [GPS IIIF]	308,999	292,185	−16,814
	Development excess to need			−16,814
28	Weather System Follow-on	79,727	76,927	−2,800
	SV 1–2 excess to need			−2,800
31	Polar MILSATCOM (SPACE)	73,757	54,422	−19,335
	EPS–R payload development complete			−19,335
32	Wideband Global SATCOM (SPACE)	49,445	35,620	−13,825
	PCMS award delay			−13,825
33	Next-Gen OPIR—Ground	661,367	575,875	−85,492
	Overestimation of MDP expenditures			−57,592
	FORGE–C2 acquisition strategy change			−19,400
	RGS–A contract savings			−8,500
34	Next Generation OPIR	222,178	192,366	−29,812
	Data exploitation carryover			−29,812
35	Next-Gen OPIR—GEO	719,731	691,069	−28,662
	Incentive fees ahead of need			−18,819
	Overestimation of A&AS			−9,843
36	Next-Gen OPIR—Polar	1,013,478	751,578	−261,900
	Phase 2 concurrency			−261,900
37	Commercial Services	73,501	121,413	+47,912
	LUX MEO new start ECO reduction			−2,088
	Program increase: Space-Based Monitoring over the U.S. Southern Command AOR			+10,000
	Program increase: CCMD direct commercial surveillance, reconnaissance and tracking services			+40,000
38	Resilient Missile Warning Missile Tracking—Low Earth Orbit [LEO]	1,266,437	1,519,222	+252,785
	Air Force-requested technical realignment from line 40			+252,785
39	Resilient Missile Warning Missile Tracking—Medium Earth Orbit (MEO)	538,208	684,675	+146,467
	Air Force-requested technical realignment from line 40			+252,784

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	SV 1–3 contract savings			−67,457
	SV 4–6 budgeted excess to estimate			−38,860
40	Resilient Missile Warning Missile Tracking—Integrated Ground Segment	505,569		−505,569
	Air Force-requested technical realignment to line 38			−252,785
	Air Force-requested technical realignment to line 39			−252,784
41	National Security Space Launch Program (SPACE)—EMD	82,188	162,188	+80,000
	Program increase: Additional NSSL payload processing facility			+80,000
46	ACQ Workforce—Space & Missile Systems	258,969	253,786	−5,183
	Projected underexecution			−22,714
	Air Force-requested technical realignment from line 48 for civilian personnel			+17,531
47	Space & Missile Systems Center—MHA	13,694	15,053	+1,359
	Air Force-requested technical realignment from line 48 for civilian personnel			+1,359
48	Space Technology	91,778		−91,778
	Air Force-requested technical realignment to line 4 for civilian personnel			−72,888
	Air Force-requested technical realignment to line 46 for civilian personnel			−17,531
	Air Force-requested technical realignment to line 47 for civilian personnel			−1,359
50	Rocket Systems Launch Program (SPACE)	18,023	43,023	+25,000
	Program increase: State space launch range services and capabilities			+25,000
56	DCO–Space	76,003	62,616	−13,387
	Suite development and integration discrepancies			−13,387
57	Narrowband Satellite Communications	230,785	215,819	−14,966
	Prior year SLE excess to need			−14,966
58	Satellite Control Network (SPACE)	86,465	84,365	−2,100
	ERM excess to need			−2,100
59	Long Range Kill Chains	243,036	193,036	−50,000
	Classified adjustment			−50,000
62	Space Innovation, Integration and Rapid Technology Development	41,483	43,483	+2,000
	Program increase: Space operators education and experiential learning			+2,000
67	Ballistic Missile Defense Radars	20,752	28,752	+8,000
	Program increase: PARCS			+8,000
70	Space Situation Awareness Operations	264,966	276,824	+11,858
	GSW sensor comm upgrade prior year carryover			−3,142
	Program increase: AI and autonomy for data analytics and sensors			+10,000
	Program increase: Unified data library			+5,000
71	Global Positioning System III—Operational Control Segment	317,309	233,439	−83,870
	Blk 1/2 Interim contractor support-excess to need			−11,200
	Blk 1/2 ECO excess to need			−11,100
	Blk 1/2 A&AS overestimation			−5,270
	Blk 1/2 prior-year carryover			−29,400
	OCX 3F execution delays			−26,900
999	Classified Programs	5,764,667	6,274,867	+510,200
	Classified adjustment			+510,200

Space Force Research and Development.—The fiscal year 2024 President's budget request for the Research, Development, Test and Evaluation, Space Force appropriations account includes $19,199,340,000 a 15 percent increase above the fiscal year 2023 enacted level. The Committee recommends $18,842,930,000, a reduction of $356,410,000. The Committee continues its strong support to the Space Force through resourcing its top unfunded prior-

ities, fully funding the Chief of Space Operation's training initiatives and offering assistance in other key classified areas. Further, the Committee notes that all recommended program adjustments are non-prejudicial and based purely on the cost, schedule, and performance factors that were presented to the Committee. Finally, the Committee notes that its recommendation provides a 13 percent increase above fiscal year 2023 appropriations and a 63 percent increase above the fiscal year 2022 appropriation.

National Space Intelligence Center.—The Committee notes that S. 4663, the Department of Defense Appropriations Act, 2023 introduced in the Senate, eliminated a provision restricting the establishment of field operating agencies. The Committee believes this provision hinders the military services from organizing efficiently. In particular, this impacts the Space Force and the National Space Intelligence Center, which provides intelligence and technical expertise in the space domain. Therefore, the Committee again includes no provision restricting the stand-up of new field operating agencies and encourages the Secretary of the Air Force and the Chief of Space Operations to organize the Space Force such that it maximizes its warfighting capability.

Novel Space Vehicle Propulsion Technology.—The Committee notes a growing number of threats to the United States' space vehicles that employ capabilities vital to the Department's joint warfighting doctrine. In an effort to minimize our adversaries' capabilities, the Committee recognizes the need to research, develop, and prototype novel propulsion technologies that enable space vehicles to maneuver without regret. Therefore, the Committee encourages the Secretary of the Air Force to increase investment in space propulsion systems, including technologies such as nuclear electric propulsion and solar sails. The Committee believes that not only could these capabilities provide our existing constellations of satellites with unmatched maneuverability and inherent on-board resiliency, these types of propulsion systems will allow cislunar and lunar domain awareness vehicles to operate in perpetuity.

Sustainable Space Research.—The Committee commends the Department of the Air Force on its willingness to work with this Committee over the past two fiscal years to emphasize the science and technology [S&T] areas that are unique to the space domain and require direct, focused investments. Based on these ongoing discussions, the Committee recommends the transfer of $107,388,000 from the Research, Development, Test and Evaluation, Air Force account to the Research, Development, Test and Evaluation, Space Force account for these space-unique S&T efforts. The Committee notes that this transfer includes, for the first time, basic research funding identified by the Department of the Air Force that will be focused on the most novel and fundamental areas of space technology. Further, the Committee notes that this transfer signals a growing desire to advance space research and the development of innovative technologies through partnerships between universities, industry, National Aeronautics and Space Administration labs, and Air Force Research Labs. Operating in the space domain poses unique challenges and requires a highly skilled workforce to maintain our Nation's competitive advantage and these partnerships are vital to develop that workforce in a long-term sustainable way that

keeps our space capabilities on the leading edge of technology developments. Therefore, the Committee encourages the Secretary of the Air Force to increase investments in the basic, advanced, and applied areas of space-unique research efforts in future budget submissions.

Defense in Depth.—The Committee continues to support the Space Development Agency's efforts to protect satellites from cyber-attacks. Therefore, the Committee encourages the Director of the Space Development Agency to use a multi-level cyber security approach in order to enable space systems to securely share and fuse information across various data sources and classification levels on space vehicles.

Space Based Environmental Monitoring.—Today's warfighter relies on current and accurate weather information to conduct operations across all domains. The Committee is concerned that our current suite of weather systems are antiquated and have been extended beyond their service lives. The Committee understands that new Space-Based Environmental Monitoring requirements have been established that address existing capability gaps. The Committee commends the Space Force for pursuing materiel solutions to replace the aging low-earth orbit Defense Meteorological Satellite Program [DMSP] with the Electro-Optical/Infrared Weather System [EWS] and the Weather System Follow-on Microwave system. However, the Committee believes that the current replacement strategy requires more fidelity beyond the initial prototyping and demonstration phases. Therefore, the Committee directs the Assistant Secretary of the Air Force (Space Acquisition and Integration) to submit a report to the congressional defense committees, not later than 90 days following enactment of this act, providing details on phase III of the EWS acquisition strategy to fully replace DMSP with an affordable, resilient, long-term EWS capability. The report shall include a notional schedule, risk assessment, and resourcing across the Future Years Defense Program for a long-term replacement. The solution set should include constellations of varying sizes for comparison of coverage, persistence, and the associated costs.

In-Space Assembly and Manufacturing.—The Committee notes that the National Science and Technology Council released the "In-Space Servicing, Assembly, and Manufacturing National Strategy" [ISAM] in April 2022. This strategy serves as a whole-of-government framework to develop and maintain the world's leading ISAM capabilities of in-space construction, maintenance, refueling and autonomous servicing missions. Further, the Committee understands that the National Aeronautics and Space Administration [NASA] is exploring a mission to resurrect the Spitzer Space Telescope using ISAM capabilities. The Committee understands the benefits that ISAM can provide to the National security missions in space and encourages the Secretary of the Air Force to increase investment in ISAM and pursue avenues to collaborate with NASA on their near-term mission.

Commercial Surveillance, Reconnaissance and Tracking Services.—The Committee notes the growing marketplace for commercial service offerings in the world of electro-optical/infrared, synthetic aperture radar, and hyperspectral imaging capabilities. In

addition, commercial constellations exist to provide radio frequency and light detection and radar sensing. The Committee notes that with the increasing focus on peer competition in contested environments, the Department of Defense will have to partially rely on new space capabilities that can fulfill traditional title 10 intelligence, surveillance, reconnaissance and target tracking missions as a replacement for existing airborne assets. Further, the Committee notes that this was the Air Force's primary rationale for divestiture of the Joint Surveillance and Target Attack Radar System. The Committee believes that the commercial marketplace has matured to a place that can provide services directly to both the Intelligence Community and the Department of Defense. Further, the Committee notes that for tactical mission sets, receiving data in a tactically relevant timeline is essential to the success of a mission and is concerned that the current tasking prioritization may not best suit Combatant Commander needs. Therefore, the Committee recommends an additional $40,000,000 for Space Systems Command's Commercial Space Office to pilot a Combatant Command-direct tasking initiative for these commercial space services. The Committee understands that contract vehicles are in place for some of these systems and encourages, the Commander, Space Systems Command to use the timeliest and efficient acquisition mechanisms to provide capability to the warfighters.

Space-Based Monitoring Over the U.S. Southern Command Area of Responsibility.—In order to achieve a critical mass of geospatial intelligence on the features, objects, human activities and environments in the U.S. Southern Command's [USSOUTHCOM] area of responsibility, the Committee encourages the Commander, USSOUTHCOM to leverage relationships with academic partners to establish and resource a decisive database of advanced Synthetic Aperture Radar [SAR]-derived geospatial information based on the most technically advanced SAR systems available. The Committee recognizes the limited resources available to the Commander, USSOUTHCOM to maintain domain awareness. Therefore, the Committee recommends an additional $10,000,000 to leverage commercially available space-based sensors to provide electro-optical, infrared, and SAR capabilities.

Space Launch Range Services.—The Committee notes that prior investments in non-Federal spaceports and launch complexes have resulted in significant enhancements to their infrastructure, security and scope of operations. This investment expands our access to space and provides a modicum of resiliency to our National security launch enterprise. Therefore, the Committee recommends an additional $25,000,000 to continue to enhance the infrastructure, security, and operations at our Nation's non-Federal, vertical-launch capable spaceports.

Tactically Responsive Space and the Industrial Base.—The Department of Defense Appropriations Act, 2023 (Public Law 117–328) included $50,000,000 for tactically responsive space [TacRS] efforts. The Committee notes that following several years of relying on congressional increases, the fiscal year 2024 President's budget request includes $30,000,000 for TacRS. The Committee is encouraged by this development and looks to build on the acquisition strategy directed in the Department of Defense Appropriations Act,

2022 (Public Law 117–103). Therefore, the Committee directs the Assistant Secretary of the Air Force (Space Acquisition and Integration) to provide a report to the congressional defense committees, not later than 120 days following enactment of this act, that performs a market analysis of the resident and emerging capabilities within the space industrial base to perform the various missions sets included under the TacRS umbrella. The report shall include an assessment of the relative technical maturity of each capability and an assessment of the industrial base capacity to support these mission sets, including but not limited to, responsive launch, on-orbit servicing, on-orbit pre-positioning and on-orbit refueling.

Tools, Applications,, and Procedures Lab.—The Committee is encouraged by the success of the Overhead Persistent Infrared Tools, Applications, and Procedures [TAP] lab in providing innovative capabilities and toolsets to the warfighter, through a forum that enables collaboration among the Space Force and various government and commercial partners. Given the successes of the existing TAP lab, the Committee believes that the time is right to establish a similar construct for the Space Domain Awareness [SDA] mission. Therefore directs the Secretary of the Air Force to establish a TAP lab for the SDA mission to enhance the capability and utility of SDA data through an open and inclusive environment for developers to facilitate proof of concepts, obtain utility assessments, and ultimately field new tools to our warfighters.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

Budget estimate, 2024 ..... $36,085,834,000
Committee recommendation 36,271,140,000

The Committee recommends an appropriation of $36,271,140,000. This is $185,306,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE			
	BASIC RESEARCH			
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH	14,761	21,761	+7,000
2	DEFENSE RESEARCH SCIENCES	311,531	345,531	+34,000
3	HIGH ENERGY LASER RESEARCH INITIATIVES	16,329	16,329	
4	BASIC RESEARCH INITIATIVES	71,783	111,783	+40,000
5	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE	50,430	50,430	
6	NATIONAL DEFENSE EDUCATION PROGRAM	159,549	161,549	+2,000
7	HISTORICALLY BLACK COLLEGES & UNIV (HBCU)	100,467	121,467	+21,000
8	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	36,235	33,486	−2,749
	TOTAL, BASIC RESEARCH	761,085	862,336	+101,251
	APPLIED RESEARCH			

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
9	JOINT MUNITIONS TECHNOLOGY	19,157	19,157	.....
10	BIOMEDICAL TECHNOLOGY	141,081	137,581	−3,500
11	PROMOTION AND PROTECTION STRATEGIES	3,219	3,219	.....
12	DEFENSE TECHNOLOGY INNOVATION	55,160	28,090	−27,070
13	LINCOLN LABORATORY RESEARCH PROGRAM	46,858	46,858	.....
14	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES	66,866	60,440	−6,426
15	INFORMATION AND COMMUNICATIONS TECHNOLOGY	333,029	409,679	+76,650
16	BIOLOGICAL WARFARE DEFENSE	.....	.....	.....
17	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	240,610	240,610	.....
18	CYBER SECURITY RESEARCH	17,437	30,437	+13,000
19	SOCIAL SCIENCES FOR ENVIRONMENTAL SECURITY	4,718	4,718	.....
20	TACTICAL TECHNOLOGY	234,549	234,549	.....
21	MATERIALS AND BIOLOGICAL TECHNOLOGY	344,986	344,986	.....
22	ELECTRONICS TECHNOLOGY	572,662	479,642	−93,020
23	COUNTER WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES	208,870	208,870	.....
24	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RESEARCH	11,168	11,168	.....
25	HIGH ENERGY LASER RESEARCH	48,804	48,804	.....
26	FSRM MODELLING	2,000	2,000	.....
27	SOF TECHNOLOGY DEVELOPMENT	52,287	63,356	+11,069
	TOTAL, APPLIED RESEARCH	2,403,461	2,374,164	−29,297
	ADVANCED TECHNOLOGY DEVELOPMENT			
28	JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	37,706	37,706	.....
29	NATIONAL SECURITY INNOVATION CAPITAL	15,085	15,085	.....
30	SO/LIC ADVANCED DEVELOPMENT	30,102	.....	−30,102
31	COMBATING TERRORISM TECHNOLOGY SUPPORT	75,593	170,593	+95,000
32	FOREIGN COMPARATIVE TESTING	27,078	27,078	.....
33	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT	400,947	420,447	+19,500
34	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	7,990	7,990	.....
35	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT	17,825	22,825	+5,000
36	ADVANCED RESEARCH	21,461	35,461	+14,000
37	JOINT HYPERSONIC TECHNOLOGY DEVELOPMENT &TRANSITION	52,292	54,292	+2,000
38	JOINT DOD–DOE MUNITIONS TECHNOLOGY DEVELOPMENT	19,567	19,567	.....
39	INTELLIGENCE ADVANCED DEVELOPMENT	10,000	10,000	.....
40	ADVANCED AEROSPACE SYSTEMS	331,753	241,943	−89,810
41	SPACE PROGRAMS AND TECHNOLOGY	134,809	122,309	−12,500
42	ANALYTIC ASSESSMENTS	24,328	24,328	.....
43	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	55,626	55,626	.....
44	QUANTUM APPLICATION	75,000	.....	−75,000
46	DEFENSE INNOVATION UNIT	104,729	107,229	+2,500
47	TECHNOLOGY INNOVATION	123,837	50,232	−73,605
48	ADVANCED TECHNICAL INTEGRATION	11,000	11,000	.....
49	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—ADVANCED DEV	267,073	270,073	+3,000
50	RETRACT LARCH	57,401	57,401	.....
51	JOINT ELECTRONIC ADVANCED TECHNOLOGY	19,793	19,793	.....
53	NETWORKED COMMUNICATIONS CAPABILITIES	11,197	11,197	.....
54	DEFENSE–WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	252,965	354,965	+102,000
55	MANUFACTURING TECHNOLOGY PROGRAM	46,404	166,404	+120,000
56	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	16,580	19,580	+3,000
57	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	60,387	60,387	.....
58	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	144,707	154,707	+10,000
59	JOINT WARFIGHTING PROGRAM	2,749	2,749	.....
60	ADVANCED ELECTRONICS TECHNOLOGIES	254,033	179,033	−75,000
61	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	321,591	328,191	+6,600

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
62	NETWORK–CENTRIC WARFARE TECHNOLOGY	885,425	746,175	−139,250
63	SENSOR TECHNOLOGY	358,580	358,580	
64	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT			
65	SOFTWARE ENGINEERING INSTITUTE	16,699	16,699	
66	DEFENSE INNOVATION ACCELERATION	257,110	261,741	+4,631
67	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	111,799	111,799	
68	TEST & EVALUATION SCIENCE & TECHNOLOGY	345,384	398,734	+53,350
69	AUKUS INNOVATION INITIATIVES	25,000		−25,000
70	NATIONAL SECURITY INNOVATION NETWORK	21,575	71,575	+50,000
71	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	171,668	193,085	+21,417
72	SOF ADVANCED TECHNOLOGY DEVELOPMENT	156,097	140,431	−15,666
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	5,380,945	5,357,010	−23,935
	ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES			
74	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	76,764	76,764	
75	WALKOFF	143,486	143,486	
76	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	117,196	125,196	+8,000
77	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	220,311	225,311	+5,000
78	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	903,633	903,633	
79	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	316,853	292,006	−24,847
80	BALLISTIC MISSILE DEFENSE SENSORS	239,159	239,159	
81	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS	597,720	587,490	−10,230
82	SPECIAL PROGRAMS—MDA	552,888	645,780	+92,892
83	AEGIS BMD	693,727	693,727	
84	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT	554,201	554,201	
85	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	48,248	48,248	
86	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC)	50,549	50,549	
87	REGARDING TRENCH	12,564	27,564	+15,000
88	SEA BASED X–BAND RADAR (SBX)	177,868	177,868	
89	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000	
90	BALLISTIC MISSILE DEFENSE TEST	360,455	360,455	
91	BALLISTIC MISSILE DEFENSE TARGETS	570,258	585,258	+15,000
92	COALITION WARFARE	12,103	12,103	
93	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G)	179,278	179,278	
94	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,185	5,185	+2,000
95	GUAM DEFENSE DEVELOPMENT	397,578	397,578	
96	TECHNOLOGY MATURATION INITIATIVES		10,000	+10,000
97	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—MIP	34,350	34,350	
98	HYPERSONIC DEFENSE	208,997	203,706	−5,291
99	ADVANCED INNOVATIVE TECHNOLOGIES	1,085,826	873,323	−212,503
100	TRUSTED AND ASSURED MICROELECTRONICS	760,839	716,040	−44,799
101	RAPID PROTOTYPING PROGRAM	110,291	46,991	−63,300
102	RAPID PROTOTYPING PROGRAM	9,880	4,081	−5,799
103	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING			
104	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT	2,643	9,643	+7,000
105	CATAPULT	8,328	8,328	
106	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT—NON S&T	53,726	44,228	−9,498
108	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,206	3,206	
109	RAPID DEFENSE EXPERIMENTATION RESERVE (RDER)	79,773	33,515	−46,258
110	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY	28,517	19,457	−9,060
111	LONG RANGE DISCRIMINATION RADAR	103,517	103,517	

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
112	IMPROVED HOMELAND DEFENSE INTERCEPTORS	2,130,838	2,130,838	.....
113	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST	47,577	47,577	.....
114	AEGIS BMD TEST	193,484	184,253	−9,231
115	BALLISTIC MISSILE DEFENSE SENSOR TEST	111,049	111,049	.....
116	LAND–BASED SM–3 (LBSM3)	22,163	22,163	.....
117	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST	41,824	24,497	−17,327
118	SAFETY PROGRAM MANAGEMENT	2,484	2,484	.....
119	CYBERCOM ACTIVITIES	65,484	65,484	.....
120	ROBUST INFRASTRUCTURE AND ACCESS	170,182	135,535	−34,647
121	CYBER TRAINING ENVIRONMENT (CTE)	114,980	114,980	.....
122	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,156	2,156	.....
123	CYBER SECURITY INITIATIVE	2,760	2,760	.....
124	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	3,000	3,000	.....
125	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	2,669	2,669	.....
126	OFFICE OF STRATEGIC CAPITAL (OSC)	99,000	.....	−99,000
127	BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS	109,483	109,483	.....
	TOTAL, ADVANCED COMPONENT DEVELOPMENT & PROTOTYPES	12,137,050	11,700,152	−436,898
	SYSTEM DEVELOPMENT AND DEMONSTRATION			
130	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO)—DEM/VAL ACTIVITIES	615,246	246,003	−369,243
130A	JADC2	.....	454,347	+454,347
130B	Alpha-1	.....	222,723	+222,723
131	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	6,229	6,229	.....
132	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	382,977	362,380	−20,597
133	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	9,775	9,775	.....
134	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DEVELOPMENT	14,414	14,414	.....
135	INFORMATION TECHNOLOGY DEVELOPMENT	6,953	6,953	.....
136	HOMELAND PERSONNEL SECURITY INITIATIVE	9,292	9,292	.....
137	DEFENSE EXPORTABILITY PROGRAM	18,981	18,981	.....
138	OUSD(C) IT DEVELOPMENT INITIATIVES	5,456	5,456	.....
140	DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM	32,629	32,629	.....
141	MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS)	9,316	9,316	.....
142	DEFENSE–WIDE ELECTRONIC PROCUREMENT CAPABILITIES	6,899	6,899	.....
143	TRUSTED & ASSURED MICROELECTRONICS	247,586	247,586	.....
145	NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS	4,110	4,110	.....
146	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)	8,159	8,159	.....
147	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION	14,471	14,471	.....
148	DOMESTIC PREPAREDNESS AGAINST WEAPONS OF MASS DESTRUCTION	3,770	3,770	.....
	TOTAL, SYSTEM DEVELOPMENT AND DEMONSTRATION	1,396,263	1,683,493	+287,230
	MANAGEMENT SUPPORT			
149	JOINT CAPABILITY EXPERIMENTATION	12,402	12,402	.....
150	DEFENSE READINESS REPORTING SYSTEM (DRRS)	12,746	12,746	.....
151	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT	8,426	8,426	.....
152	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT	833,792	755,000	−78,792
153	ASSESSMENTS AND EVALUATIONS	5,810	5,810	.....
154	MISSION SUPPORT	99,090	99,090	.....
155	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC)	187,421	175,699	−11,722
156	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION	61,477	61,477	.....
157	CLASSIFIED PROGRAM USD(P)	.....	171,319	+171,319

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
158	SYSTEMS ENGINEERING	39,949	39,949	.....
159	STUDIES AND ANALYSIS SUPPORT	6,292	6,292	.....
160	NUCLEAR MATTERS—PHYSICAL SECURITY	21,043	21,043	.....
161	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION	10,504	10,504	.....
162	GENERAL SUPPORT TO USD (INTELLIGENCE)	2,980	7,980	+5,000
163	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	74,382	74,382	.....
164	SMALL BUSINESS INNOVATION RESEARCH—MDA	.....	.....	.....
170	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER	3,831	3,831	.....
171	MAINTAINING TECHNOLOGY ADVANTAGE	38,923	38,923	.....
172	DEFENSE TECHNOLOGY ANALYSIS	60,404	60,404	.....
173	DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	65,715	65,715	.....
174	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	26,037	31,037	+5,000
175	DEVELOPMENT TEST AND EVALUATION	37,353	37,353	.....
176	MANAGEMENT HQ—R&D	14,833	14,833	.....
177	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	3,752	3,752	.....
178	SPECIAL ACTIVITIES	18,088	18,088	.....
179	BUDGET AND PROGRAM ASSESSMENTS	14,427	14,427	.....
180	ANALYSIS WORKING GROUP (AWG) SUPPORT	4,200	4,200	.....
181	CHIEF DIGITAL AND ARTIFICIAL INTELLIGENCE OFFICER (CDAO) ACTIVITIES	17,247	6,882	−10,365
182	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	3,386	3,386	.....
183	DEFENSE SCIENCE BOARD	2,352	2,352	.....
184	AVIATION SAFETY TECHNOLOGIES	213	213	.....
186	CYBER RESILIENCY AND CYBERSECURITY POLICY	45,194	42,194	−3,000
187	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	11,919	11,919	.....
188	DEFENSE OPERATIONS SECURITY (DOSI)	3,112	3,112	.....
189	JOINT STAFF ANALYTICAL SUPPORT	4,916	4,916	.....
190	C4I INTEROPERABILITY	66,152	66,152	.....
195	COMBINED ADVANCED APPLICATIONS	5,366	5,366	.....
197	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,069	3,069	.....
199	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION	101,319	54,069	−47,250
200	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI)	740	740	.....
201	MANAGEMENT HEADQUARTERS—MDA	28,363	28,363	.....
202	JOINT SERVICE PROVIDER (JSP)	5,177	5,177	.....
9999	CLASSIFIED PROGRAMS	36,315	36,315	.....
	TOTAL, MANAGEMENT SUPPORT	1,998,717	2,028,907	+30,190
	OPERATIONAL SYSTEMS DEVELOPMENT			
203	ENTERPRISE SECURITY SYSTEM (ESS)	42,482	42,482	.....
205	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	1,017,141	858,054	−159,087
205A	Advanced Defense Capabilities Pilot	.....	20,000	+20,000
206	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	12,713	12,713	.....
207	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT	8,503	8,503	.....
208	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT)	80,495	80,495	.....
209	CYBER COMMAND AND CONTROL (CYBER C2)	95,733	95,733	.....
210	DATA AND UNIFIED PLATFORM (D&UP)	138,558	109,635	−28,923
214	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION	19,299	19,299	.....
215	LONG HAUL COMMUNICATIONS (DCS)	37,726	37,726	.....
216	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	5,037	5,037	.....
	KEY MANAGEMENT INFRASTRUCTURE (KMI)			
218	INFORMATION SYSTEMS SECURITY PROGRAM	97,171	97,171	.....
	INFORMATION SYSTEMS SECURITY PROGRAM			
220	INFORMATION SYSTEMS SECURITY PROGRAM	8,351	8,351	.....
221	GLOBAL COMMAND AND CONTROL SYSTEM	.....	.....	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
222	DEFENSE SPECTRUM ORGANIZATION	35,995	35,995	.....
223	JOINT PLANNING AND EXECUTION SERVICES	5,677	5,677	.....
224	JOINT REGIONAL SECURITY STACKS (JRSS)	3,196	3,196	.....
225	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY	.....	.....	.....
228	DEFENSE INDUSTRIAL BASE (DIB) CYBER SECURITY INITIATIVE	25,655	25,655	.....
231	SECURITY AND INVESTIGATIVE ACTIVITIES	.....	.....	.....
232	INDUSTRIAL SECURITY ACTIVITIES	2,134	2,134	.....
235	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	2,295	2,295	.....
236	COMBINED ADVANCED APPLICATIONS	52,736	52,736	.....
239	POLICY R&D PROGRAMS	6,263	6,263	.....
240	NET CENTRICITY	23,275	21,963	−1,312
242	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,214	6,214	.....
247	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS	.....	.....	.....
248	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	.....	.....	.....
249	INSIDER THREAT	2,971	2,971	.....
250	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	1,879	1,879	.....
257	CYBER OPERATIONS TECHNOLOGY SUPPORT	469,385	386,062	−83,323
261	DOMESTIC PREPAREDNESS AGAINST WEAPONS OF MASS DESTRUCTION	1,760	1,760	.....
262	LOGISTICS SUPPORT ACTIVITIES	1,420	4,420	+3,000
263	PACIFIC DISASTER CENTERS	1,905	3,905	+2,000
264	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	3,249	3,249	.....
265	MQ–9 UAV	37,188	34,438	−2,750
267	AVIATION SYSTEMS	216,174	219,587	+3,413
268	INTELLIGENCE SYSTEMS DEVELOPMENT	86,737	94,237	+7,500
269	OPERATIONAL ENHANCEMENTS	216,135	223,635	+7,500
270	WARRIOR SYSTEMS	263,374	268,732	+5,358
271	SPECIAL PROGRAMS	529	529	.....
272	UNMANNED ISR	6,727	6,727	.....
273	SOF TACTICAL VEHICLES	9,335	9,335	.....
274	MARITIME SYSTEMS	158,231	158,231	.....
275	OPERATIONAL ENHANCEMENTS INTELLIGENCE	15,749	30,749	+15,000
276	TELEPORT PROGRAM	.....	.....	.....
	NATIONAL INDUSTRIAL SECURITY SYSTEMS (NISS)			
999	CLASSIFIED PROGRAMS	8,463,742	9,202,784	+739,042
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	11,683,139	12,210,557	+527,418
	SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS			
277	NATIONAL BACKGROUND INVESTIGATION SERVICES—SOFTWARE PILOT PROGRAM	.....	.....	.....
278	ACQUISITION VISIBILITY—SOFTWARE PILOT PROGRAM	21,355	21,355	.....
279	GLOBAL COMMAND AND CONTROL SYSTEM	33,166	33,166	.....
999	CLASSIFIED PROGRAMS	270,653	.....	−270,653
	TOTAL, SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS	325,174	54,521	−270,653
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE	36,085,834	36,271,140	+185,306

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	DTRA Basic Research	14,761	21,761	+7,000
	Program increase: Materials science in extreme dynamic environments plus			+2,000
	Program increase: Materials science in extreme environments			+5,000
2	Defense Research Sciences	311,531	345,531	+34,000
	Reduce carryover: Advanced manufacturing science			−7,500
	Program increase: NSCAI recommendation—generative AI			+25,000
	Program increase: NSCAI recommendation—AI for cyber			+16,500
4	Basic Research Initiatives	71,783	111,783	+40,000
	Program increase: DEPSCoR			+20,000
	Program increase: Global competition analysis net assessment			+10,000
	Program increase: Hispanic serving research cohort			+10,000
6	National Defense Education Program	159,549	161,549	+2,000
	Program increase: STEM fellowships			+2,000
7	Historically Black Colleges and Universities/Minority Institutions	100,467	121,467	+21,000
	Program increase: Augmenting quantum sensing research, education, and training			+1,000
	Program increase: Basic research			+20,000
8	Chemical and Biological Defense Program	36,235	33,486	−2,749
	Prior year underexecution			−2,749
10	Biomedical Technology	141,081	137,581	−3,500
	Effort previously funded			−3,500
12	Defense Technology Innovation	55,160	28,090	−27,070
	Unjustified growth			−27,070
14	Applied Research for the Advancement of S&T Priorities	66,866	60,440	−6,426
	Rebaseline program profile			−6,426
15	Information & Communications Technology	333,029	409,679	+76,650
	Phase programmatic growth: Constellation			−10,000
	Efforts previously funded			−6,250
	Program increase: NSCAI recommendation—generative AI			+50,000
	Program increase: NSCAI recommendation—AI for cyber			+42,900
18	Cyber Security Research	17,437	30,437	+13,000
	Program increase: Academic cyber institutes			+5,000
	Program increase: Pacific intelligence and innovation initiative			+5,000
	Program increase: Semiconductor industry cybersecurity			+3,000
22	Electronics Technology	572,662	479,642	−93,020
	Reduce carryover: Advanced manufacturing tools			−19,710
	Reduce carryover: Advanced manufacturing EEE			−12,090
	Forward funding: THREADS			−16,720
	Unjustified growth: Minitherms3D			−8,659
	Early to need: FIRE			−1,841
	Reduce carryover: Advanced manufacturing 3DHI			−40,000
	Program increase: Small radio-frequency demonstrator			+6,000
27	SOF Technology Development	52,287	63,356	+11,069
	Program increase: Assessment of commercial systems			+6,000
	Program increase: Identity threat mitigation			+7,000
	Prior year underexecution			−1,931
30	SO/LIC Advanced Development	30,102		−30,102
	Transfer to Line 130, CDAO Dem/Val Activities for SUNet			−12,302
	Duplicative funding			−17,800
31	Combating Terrorism Technology Support	75,593	170,593	+95,000
	Program increase: Advanced EMS monitoring for western EW test ranges			+5,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Artificial intelligence for explosive ordinance disposal decision support			+1,000
	Program increase: Wearable detection of chemical and biological agents			+1,500
	Program increase: Anti-tunneling			+47,500
	Program increase: C–UAS development			+40,000
33	Counter Weapons of Mass Destruction Advanced Technology Development	400,947	420,447	+19,500
	Program increase: Advanced manufacturing of energetic materials			+8,500
	Program increase: Detecting and tracking technology			+6,000
	Program increase: Reconfigurable underground test and evaluation			+5,000
35	Advanced Concepts and Performance Assessment	17,825	22,825	+5,000
	Program increase: Hypersonic HWIL upgrades			+5,000
36	Advanced Research	21,461	35,461	+14,000
	Program increase: Advanced carbon materials for hypersonic applications			+8,000
	Program increase: Energy efficient AI hardware for military edge devices			+6,000
37	Joint Hypersonic Technology Development &Transition	52,292	54,292	+2,000
	Program increase: Additive hypersonic components with advanced porous materials			+2,000
40	Advanced Aerospace Systems	331,753	241,943	−89,810
	Program termination: Tactical boost glide			−81,500
	Early to need: Liberty Lifter			−8,310
41	Space Programs and Technology	134,809	122,309	−12,500
	Effort previously funded: DRACO			−12,500
44	Quantum Application	75,000		−75,000
	Lack of acquisition strategy			−75,000
46	Defense Innovation Unit [DIU]	104,729	107,229	+2,500
	Program increase: Nuclear advanced propulsion and power			+2,500
47	Technology Innovation	123,837	50,232	−73,605
	Transfer Project 375 to RDT&E, DW Line 66, Defense Innovation Acceleration			−41,881
	Phase programmatic growth			−31,724
49	Chemical and Biological Defense Program—Advanced Development	267,073	270,073	+3,000
	Program increase: Broad-spectrum indirect antiviral research			+3,000
54	Defense-Wide Manufacturing Science and Technology Program	252,965	354,965	+102,000
	Program increase: Accelerating predictive supply chain logistics			+2,000
	Program increase: Additive manufacturing at scale			+5,000
	Program increase: Advanced regenerative manufacturing			+4,000
	Program increase: Advanced robotics and automation training			+8,000
	Program increase: Aluminum castings performance initiative			+4,000
	Program increase: Digital manufacturing accelerator			+6,000
	Program increase: Domestic flexible factory for footwear manufacturing			+10,000
	Program increase: High temperature composite material manufacturing			+10,000
	Program increase: High performance computing enabled large-scale manufacturing			+25,000
	Program increase: Integrated silicon-based lasers			+4,000
	Program increase: Manufacturing of advanced components for hypersonics			+16,000
	Program increase: Microelectromechanical systems mirror-based LiDAR sensor			+3,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: OT and internet-of-things asset identification and management			+5,000
55	Manufacturing Technology Program	46,404	166,404	+120,000
	Program increase: Critical mineral supply chain resiliency			+5,000
	Program increase: High purity vanadium for aerospace titanium alloys			+2,000
	Program increase: Hypersonic radomes and apertures			+4,000
	Program increase			+100,000
	Program increase: Processing pilot for high-purity nickel			+3,000
	Program increase: Rare earth element mining			+2,000
	Program increase: Recover, reclaim, recycle materials from defense scrap			+2,000
	Program increase: Superalloy metals recycling development			+2,000
56	Generic Logistics R&D Technology Demonstrations	16,580	19,580	+3,000
	Program increase: Wood to jet fuel			+3,000
58	Microelectronics Technology Development and Support	144,707	154,707	+10,000
	Program increase: Enhanced RF microelectronics production			+10,000
60	Advanced Electronics Technologies	254,033	179,033	−75,000
	Reduce carryover: Next generation microelectronics manufacturing			−75,000
61	Command, Control and Communications Systems	321,591	328,191	+6,600
	Program increase: NSCAI recommendation—AI for cyber			+6,600
62	Network-Centric Warfare Technology	885,425	746,175	−139,250
	Classified adjustment			−133,000
	Unjustified growth			−6,250
66	Defense Innovation Acceleration (DIA)	257,110	261,741	+4,631
	Previously funded			−19,250
	Maintain level of effort			−18,000
	Transfer Project 375 from RDT&E, DW line 47, Technology Innovation			+41,881
68	Test & Evaluation Science & Technology	345,384	398,734	+53,350
	Program increase: Hypersonic wave heat facilities			+20,000
	Program increase: Space based telemetry using phased array			+8,350
	Program increase: Space testing facilities			+25,000
69	AUKUS Innovation Initiatives	25,000		−25,000
	Transfer to RDT&E, DW line 130, CDAO Dem/Val, to align execution			−9,000
	Transfer to RDT&E,N line 77 Unmanned Undersea Vehicle Core Technologies, to align execution			−10,000
	Transfer to RDT&E,DW line 257, Cyber Ops to align execution			−6,000
70	National Security Innovation Network	21,575	71,575	+50,000
	Program increase: DoD mission acceleration centers			+50,000
71	Operational Energy Capability Improvement	171,668	193,085	+21,417
	Program increase			+20,000
	Program increase: TRISO advanced fuel			+10,000
	Prior year underexecution			−8,583
72	SOF Advanced Technology Development	156,097	140,431	−15,666
	Maintain level of effort: Advanced technology development			−9,867
	Program decrease			−5,799
76	Environmental Security Technical Certification Program	117,196	125,196	+8,000
	Program increase: On-base microgrid resiliency			+5,000
	Program increase: Sustainable technology evaluation and demonstration program			+3,000
77	Ballistic Missile Defense Terminal Defense Segment	220,311	225,311	+5,000
	Program increase: THAAD modernization			+5,000
79	Chemical and Biological Defense Program—Dem/Val	316,853	292,006	−24,847

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Unjustified growth: Tactical contamination mitigation system			−2,423
	Phase programmatic growth: Medical countermeasures manufacturing optimization			−18,900
	Phase programmatic growth: VAMP–ENBD			−3,524
81	BMD Enabling Programs	597,720	587,490	−10,230
	Threat systems engineering			−6,730
	Future concepts and planning growth			−3,500
82	Special Programs—MDA	552,888	645,780	+92,892
	Classified adjustment			+92,892
87	Regarding Trench	12,564	27,564	+15,000
	Classified adjustment			+15,000
91	Ballistic Missile Defense Targets	570,258	585,258	+15,000
	Program increase: Low-cost hypersonic flight test bed			+15,000
94	Department of Defense Corrosion Program	3,185	5,185	+2,000
	Program increase: Anti-corrosion initiatives			+2,000
96	Technology Maturation Initiatives		10,000	+10,000
	Program increase: Short pulse laser research			+10,000
98	Hypersonic Defense	208,997	203,706	−5,291
	Program support growth			−5,291
99	Advanced Innovative Technologies	1,085,826	873,323	−212,503
	Classified adjustment			−136,172
	Early to need: Hypervelocity gun weapons system			−60,331
	Classified adjustment			−6,000
	Effort previously funded			−10,000
100	Trusted & Assured Microelectronics	760,839	716,040	−44,799
	Program increase: Chiplet interfaces for advanced node field programmable gate arrays			+10,000
	Program increase: Magnetoresistive random-access memory			+3,500
	Program increase: Radiation-hardened chiplet design acceleration			+5,000
	Unjustified growth			−63,299
101	Rapid Prototyping Program	110,291	46,991	−63,300
	Functional transfer to line 130A for JADC2			−30,000
	Prior year contract savings			−24,400
	Program completion: SCIFIRE			−8,900
102	Rapid Prototyping Program	9,880	4,081	−5,799
	Program decrease			−5,799
104	Department of Defense [DOD] Unmanned System Common Development	2,643	9,643	+7,000
	Program increase: Unmanned traffic management test, evaluation, and implementation			+7,000
106	Operational Energy Capability Improvement—Non S&T	53,726	44,228	−9,498
	Prior year underexecution			−9,498
109	Rapid Defense Experimentation Reserve [RDER]	79,773	33,515	−46,258
	Program decrease			−46,258
110	Joint C5 Capability Development, Integration and interoperability Assessments	28,517	19,457	−9,060
	Transfer to Line 130A for JADC2			−9,060
114	Aegis BMD Test	193,484	184,253	−9,231
	Prior year test adjustments			−9,231
117	Ballistic Missile Defense Midcourse Segment Test	41,824	24,497	−17,327
	Prior year test adjustments			−17,327
120	Robust Infrastructure and Access	170,182	135,535	−34,647
	Unjustified growth: Joint Common Access Platform			−10,647
	Program decrease unaccounted for			−24,000
126	Office of Strategic Capital (OSC)	99,000		−99,000
	Lack of justification: FY24 loan program not requested			−99,000
130	Chief Digital and Artificial Intelligence Officer (CDAO)—Dem/Val Activities	615,246	246,003	−369,243
	Transfer from Line 30, SO/LIC Advanced Development			+12,302

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Functional transfer from line 69 for AUKUS Innovation Initiatives			+9,000
	Functional transfer to Line 130A for JADC2			−235,287
	Functional transfer to Line 130B for Alpha-1			−162,358
	Cost overestimation: GIDE			−13,400
	Undefined requirement: Big play pilot			−19,500
	Program increase: SUNvana improvements			+40,000
130A	JADC2		454,347	+454,347
	Functional transfer from Line 130 for JADC2			+235,287
	Functional transfer from Line 110 for JADC2			+9,060
	Functional transfer from Line 101 for JADC2			+30,000
	Classified adjustment			+6,000
	Program increase: Joint Fires Network (JFN)			+174,000
130B	Alpha-1		222,723	+222,723
	Functional transfer from Line 130 for Alpha-1			+162,358
	Functional transfer from Line 181 for Alpha-1			+10,365
	Program increase: Autonomy enterprise platform			+50,000
132	Chemical and Biological Defense Program—EMD	382,977	362,380	−20,597
	Unexecutable growth: Autoinjector manufacturer capability			−20,597
152	Central Test and Evaluation Investment Development (CTEIP)	833,792	755,000	−78,792
	Program increase: MACH–TB modeling, simulating, analysis, and testing classified network			+10,000
	Early to need			−88,792
155	Joint Mission Environment Test Capability [JMETC]	187,421	175,699	−11,722
	Duplicative funding			−11,722
157	Classified Program USD(P)		171,319	+171,319
	Program increase			+171,319
162	General Support to OUSD(Intelligence and Security)	2,980	7,980	+5,000
	Program increase: Implementation of findings and recommendations of security programs, policies and procedures			+5,000
174	R&D in Support of DoD Enlistment, Testing and Evaluation	26,037	31,037	+5,000
	Program increase: Federal voting assistance program			+5,000
181	Chief Digital and Artificial Intelligence Officer (CDAO) Activities	17,247	6,882	−10,365
	Functional transfer to Line 130B for Alpha-1			−10,365
186	Cyber Resiliency and Cybersecurity Policy	45,194	42,194	−3,000
	Duplicative spending			−3,000
199	COCOM Exercise Engagement and Training Transformation (CE2T2)—non-MHA	101,319	54,069	−47,250
	Duplicative request: JLVC Modernization			−47,250
205	Industrial Base Analysis and Sustainment Support	1,017,141	858,054	−159,087
	Planned FY25 contract awards			−239,337
	Program increase: 2.5D advanced packaging			+10,250
	Program increase: 5G testbed			+10,000
	Program increase: Advanced electrification demonstration			+3,000
	Program increase: Advanced headborne systems and manufacturing			+5,000
	Program increase: Automated textile manufacturing			+5,000
	Program increase: Battery manufacturing supply chain resilience			+5,000
	Program increase: Critical materials processing			+10,000
	Program increase: Critical minerals from chromatographic separation			+3,000
	Program increase: Defense supply chain and workforce readiness program			+2,000
	Program increase: Extreme environment clothing			+2,000
	Program increase: High temperature ceramics lab and prototyping capability			+2,000
	Program increase: Munitions supply chain diversification			+5,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Rare earth element demonstration			+5,000
	Program increase: Scaling commercial grade packs and frames			+5,000
	Program increase: Shipyard and ship repair workforce training			+3,000
	Program increase: Small business shipbuilding supplier resiliency			+5,000
205A	Advanced Defense Capabilities Pilot		20,000	+20,000
	Program increase			+20,000
210	Data and Unified Platform (D&UP)	138,558	109,635	−28,923
	Unjustified growth: Unified Platform Infrastructure			−28,923
240	Net Centricity	23,275	21,963	−1,312
	Prior year underexecution			−1,312
257	Cyber Operations Technology Support	469,385	386,062	−83,323
	Transfer from RDT&E,DW line 69 AUKUS innovation initiatives			+6,000
	Unjustified growth: Joint Cyber Warfighting Architecture			−51,409
	Unjustified growth: Deployable Mission Support Systems			−1,119
	Unjustified growth: Joint Development Environment			−41,895
	Program increase: Cyber defensive operations and training			+14,000
	Program increase: Cyber operations technology support			+2,000
	Program decrease unaccounted for			−10,900
262	Logistics Support Activities	1,420	4,420	+3,000
	Program increase: Next generation transponder integration			+3,000
263	Pacific Disaster Centers	1,905	3,905	+2,000
	Program increase: Global water security center			+2,000
265	MQ–9 UAV	37,188	34,438	−2,750
	Unjustified growth			−2,750
267	Aviation Systems	216,174	219,587	+3,413
	Program increase: Alternative domestic source C–130J IRSS			+6,000
	Program increase: C–130J weapons modernization			+8,000
	Unjustified request: Aviation engineering analysis			−8,997
	Early to need: Mission processor upgrades developmental test			−1,590
268	Intelligence Systems Development	86,737	94,237	+7,500
	Program increase: Quantum computing and quantum networking			+7,500
269	Operational Enhancements	216,135	223,635	+7,500
	Program increase: 3D mapping at the tactical edge			+2,500
	Program increase: Female body armor development and modernization			+5,000
270	Warrior Systems	263,374	268,732	+5,358
	Program increase: Next-generation electronic countermeasures			+12,000
	Program increase: Platform agnostic data storage infrastructure			+3,000
	Early to need: MPE–M			−9,642
275	Operational Enhancements Intelligence	15,749	30,749	+15,000
	Program increase: Loitering munitions launching systems			+15,000
999	Classified Programs	8,463,742	9,202,784	+739,042
	Classified adjustment			+739,042
999	Classified Programs	270,653		−270,653
	Classified adjustment			−270,653

Joint Live, Virtual and Constructive Training and Testing.—The Committee supports ongoing efforts to modernize and strengthen

joint live, virtual and constructive [JLVC] capabilities. As the Department of Defense continues to develop and maintain such capabilities, the Committee sees the need for increased integration between JLVC training and testing activities. Therefore, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 90 days following the enactment of this act that reviews Department-wide efforts to develop and maintain JLVC capabilities. The report shall evaluate potential efficiencies of developing and maintaining a common set of JLVC capabilities that inform both test and training, Department and Service roles and responsibilities in the development and maintenance of such capabilities, and programmatic and budgetary recommendations for developing and maintaining such capabilities across the Future Years Defense Program.

SUNet.—The Committee notes that the Secure Unclassified Network [SUNet] provides the Department of Defense with a network that fosters collaboration with allies, partners, and key segments of industry, and recommends an increase of $40,000,000 for SUNet improvements. Further, the Assistant Secretary of Defense for Special Operations and Low-Intensity Conflict is directed to continue ongoing efforts to transfer the operation of SUNet to the Chief Digital and Artificial Intelligence Office [CDAO]. Not later than 60 days following the enactment of this act, the Chief Digital and Artificial Intelligence Officer shall provide a briefing to the congressional defense committees outlining the progress in completing this transfer.

Vaccine and Therapeutic Products for Warfighter Protection.—This Committee is concerned by the often burdensome inventory and replenishment requirements for vaccine and therapeutic products for warfighter. The Committee supports reducing the logistical hurdles associated with deploying such measures during an emergency and the cost obligations of maintaining the inventory requirement for such products.

Next Generation Textiles.—The Committee recognizes the necessity of a strong domestic textile industrial base capable of manufacturing state-of-the-art products to support warfighter operations in a multi-domain environment. The Committee notes that Manufacturing USA, which is managed in partnership with the National Institute of Standards and Technology, invests into manufacturing operations for functional fabrics and textiles that have directly supported continuing domestic leadership of this industry and help ensure the availability of these essential items for the future. The Committee encourages future investments in next-generation textiles and remains supportive of the Department of Defense's efforts in this area.

Nanoscale Materials Manufacturing.—The Committee understands that advances in weapon system manufacturing using nanoscale materials have the potential to increase the performance of such systems. However, the Committee notes that Manufacturing Readiness Levels lag behind Technology Readiness Levels for these technologies. Therefore, the Committee encourages the Secretary of Defense to evaluate opportunities to increase the relative Manufacturing Readiness Levels of nanoscale materials.

Supply Chain Visibility for Operational Readiness.—The Committee recognizes the difficulty of supply chain visibility and management and encourages the Department of Defense to continue its efforts to improve supply chain visibility to enhance operational readiness, including through the demonstration of relevant digital data tools.

Steel Performance Initiative.—The Committee understands that steel is a critical and enabling material for many weapons systems and encourages the Secretary of Defense to continue investing in steel alloy development and manufacturing technology to increase operational effectiveness and maintain a strong industrial base.

Distributed Maritime Energy Research.—The Department of Defense's multi-domain mission success requires the development of clean, high-density, persistent power sources. The Committee encourages the Secretary of Defense to continue investment in long-endurance, compact power systems to support global undersea maritime domain awareness and operations in austere environments, including the DEPTHS program.

Low-Profile Electric Nuclear Satellite.—The Committee encourages the Secretary of Defense to continue the development of radioisotope power systems that are capable of providing lightweight, always-on, resilient power to increase the capabilities of Department of Defense spacecraft.

Hyperspectral Chemical Vapor Stand-off Detector.—The Committee is encouraged by the research and development of hyperspectral chemical vapor stand-off detectors and is supportive of their planned capabilities, including rapid chemical search and detection at standoff ranges sufficient to increase survivability and lessen the cognitive burden on users.

National Network for Microelectronics Research and Development.—The Committee notes that the Microelectronics Commons program is one of several regional technology programs established to support domestic microelectronics research and development and advanced manufacturing projects. The Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 60 days after the enactment of this act which describes how the Microelectronics Commons program will engage, reinforce, and leverage other regional technology programs, including those operated by the Department of Commerce and the National Science Foundation. Additionally, the report shall describe the interagency coordination mechanisms by which the Department of Defense collaborates and engages with the Department of Commerce, the National Science Foundation, and other Departments and Agencies, on the execution of regional technology programs to align efforts and avoid duplication.

Hypersonics Test Infrastructure.—The Committee supports the investments made in the Multi-Service Advanced Capabilities Hypersonic Test Bed [MACH–TB] to increase U.S. hypersonic flight testing capacity. This increase in testing capacity and capability is essential to the development of hypersonic weapons and competitiveness with China. The Committee supports the Navy's Center of Excellence for Hypersonics at Naval Surface Warfare Center, Crane Division, along with academic and industry partners, and encourages the Secretary of Defense to continue appropriately

resourcing the development of MACH–TB. The Committee recommends an increase of $10,000,000 to continue supporting this initiative.

Tactically Mobile Micro-reactor Development.—The Committee directs the Assistant Secretary of Defense for Nuclear, Chemical, and Biological Defense Programs to provide expeditious oversight, interagency coordination, and technical review and assistance for the design, development, and test of tactically mobile micro-reactors.

Defense Supply Chain and Workforce Readiness.—The Committee encourages the Department of Defense to forge partnerships to enhance supply chain resiliency by advancing the integration and use of state-of-the-art advanced manufacturing technologies and processes within a digitally connected, open-source and compliant regional supply chain ecosystem. The Committee is supportive of integrating small- and medium-sized suppliers, Original Equipment Manufacturers, as well as work-based, vocational development programs implemented by State and regional technical colleges, universities, and nonprofit workforce development organizations into such ecosystems.

Space Nuclear Power and Propulsion.—The Committee understands that the Defense Innovation Unit expects that its Nuclear Advanced Propulsion and Power program will impact the employment of space power, accelerating the era of spacecraft maneuver in cislunar space. The Committee supports the development of space nuclear power and propulsion technologies, including those employing high-assay low enriched uranium. The Committee encourages the Director of the Defense Innovation Unit, in coordination with the Chief of Space Operations, to continue pursuing partnerships in this area.

Wearable Technology.—The Committee commends the Defense Innovation Unit for exploring the capabilities of wearable technology to improve health monitoring and troop readiness. The tracking of heart health, body temperatures, and daily performance scores has the potential to significantly improve the Department of Defense's current health and wellness programs.

Immersion Cooling.—The Committee recognizes the importance of technologies that enable faster, more efficient data centers and cloud storage. Further, consistent with identified requirements, the Committee supports efforts to develop cost competitive processes for deploying dialetic fluids to reduce energy and operational costs.

Narrative Intelligence.—The Committee supports the work being carried out in the cyberspace domain regarding the analyzing of narrative intelligence to facilitate, understand, and research the implications of technology-enhanced malign influence in the digital age. Further, the Committee is supportive of the collaborative work being carried out in conjunction with the Cyber National Mission Force and various universities in the understanding of narrative intelligence. Therefore, not later than 90 days after the enactment of this act, the Committee directs the Deputy Secretary of Defense and the Vice Chairman of the Joint Chiefs of Staff to provide a report to the Committees on Appropriations of the House of Representatives and the Senate on the ongoing work and future requirements in narrative intelligence at U.S. Cyber Command.

OPERATIONAL TEST AND EVALUATION, DEFENSE

Budget estimate, 2024	$331,489,000
Committee recommendation	337,489,000

The Committee recommends an appropriation of $337,489,000. This is $6,000,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	OPERATIONAL TEST AND EVALUATION, DEFENSE			
	MANAGEMENT SUPPORT			
1	OPERATIONAL TEST AND EVALUATION	169,544	140,044	−29,500
2	LIVE FIRE TEST AND EVALUATION	103,252	103,252	
3	OPERATIONAL TEST ACTIVITIES AND ANALYSES	58,693	94,193	+35,500
	TOTAL, RDT&E MANAGEMENT SUPPORT	331,489	337,489	+6,000
	TOTAL, OPERATIONAL TEST AND EVALUATION, DEFENSE	331,489	337,489	+6,000

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	Operational Test and Evaluation	169,544	140,044	−29,500
	DOT&E requested transfer to Line 3			−35,500
	Program increase: Browser plug-in security research			+6,000
3	Operational Test Activities and Analyses	58,693	94,193	+35,500
	DOT&E requested transfer from Line 1			+35,500

Certification of Funding for Test Infrastructure and Test Event Resources.—The Department of Defense's component and Service acquisition executives are directed to (1) certify to the Director, Operational Test and Evaluation [DOT&E], that the Department of Defense's and Services' test infrastructure, assets, and personnel are fully funded in the budget year and the Future Years Defense Program to support agreed-upon Test and Evaluation Master Plans, Test and Evaluation Strategies or equivalent documents for programs on the DOT&E Oversight List and (2) provide this certification in the format, defined by the Director, not later than 60 days prior to the submission of the fiscal year 2025 President's budget request. The Director, Operational Test and Evaluation, is directed to provide an assessment to the congressional defense committees with submission of the fiscal year 2025 President's budget request on whether or not the test infrastructure, assets, and personnel funding in the budget year and the Future Years Defense Program

can adequately support agreed-upon test and evaluation programs and identify where applicable-shortfalls by service and program.

TITLE V

REVOLVING AND MANAGEMENT FUNDS

DEFENSE WORKING CAPITAL FUNDS

Budget estimate, 2024 ..... $1,682,708,000
Committee recommendation 1,795,079,000

The Committee recommends an appropriation of $1,795,079,000. This is $112,371,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Item	2024 budget estimate	Committee recommendation	Change from budget estimate
Industrial Operations	27,551	147,551	+120,000
Program increase: Arsenal Sustainment Initiative	.....	.....	+120,000
Supply Management	1,662	1,662	.....
Total, Defense Working Capital Fund, Army	29,213	149,213	+120,000
Supplies and Materials	83,587	83,587	.....
Total, Defense Working Capital Fund, Air Force	83,587	83,587	.....
National Defense Stockpile Transaction Fund	7,629	.....	−7,629
Transfer: National Defense Stockpile Transaction Fund funded in Sec. 8034	.....	.....	−7,629
Defense Logistics Agency-Defense Automation & Production Services	4	4	.....
Defense Logistics Agency-Energy Management	114,663	114,663	.....
Total, Defense Working Capital Fund, Defense-wide	122,296	114,667	−7,629
Commissary Operations	1,447,612	1,447,612	.....
Total, Defense Working Capital Fund, Defense-wide, DECA	1,447,612	1,447,612	.....
Grand Total, Defense Working Capital Funds	1,682,708	1,795,079	+112,371

Meals Ready-to-Eat.—The Committee recommendation supports the fiscal year 2024 President's budget request for Meals Ready to Eat and reaffirms its support for the Defense Logistics Agency War Reserve stock objective of 5.0 million cases.

TITLE VI

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

Budget estimate, 2024 ..... $38,413,960,000
Committee recommendation 39,085,201,000

The Committee recommends an appropriation of $39,085,201,000. This is $671,241,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	DEFENSE HEALTH PROGRAM			
	OPERATION & MAINTENANCE			
10	IN-HOUSE CARE	10,044,342	9,901,132	−143,210
20	PRIVATE SECTOR CARE	19,893,028	19,776,328	−116,700
30	CONSOLIDATED HEALTH SUPPORT	2,007,012	1,985,556	−21,456
40	INFORMATION MANAGEMENT	2,327,816	2,327,816	.....
50	MANAGEMENT ACTIVITIES	347,446	347,446	.....
60	EDUCATION AND TRAINING	336,111	353,111	+17,000
70	BASE OPERATIONS/COMMUNICATIONS	2,144,551	2,116,738	−27,813
	UNDISTRIBUTED ADJUSTMENT: PROJECTED UNDEREXECUTION	.....	−33,710	−33,710
	TOTAL, OPERATION AND MAINTENANCE	37,100,306	36,774,417	−325,889
	PROCUREMENT			
	DEFENSEWIDE ACTIVITIES			
150	INITIAL OUTFITTING	22,344	22,344	.....
160	REPLACEMENT AND MODERNIZATION	238,435	238,435	.....
170	JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM	29,537	1,467	−28,070
180	MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER	74,055	74,055	.....
180	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION	17,510	17,510	.....
	TOTAL, PROCUREMENT	381,881	353,811	−28,070
	RESEARCH DEVELOPMENT TEST AND EVALUATION			
	DEFENSEWIDE ACTIVITIES			
80	RESEARCH	40,311	44,311	+4,000
90	EXPLORATORY DEVELOPMENT	178,892	195,892	+17,000
100	ADVANCED DEVELOPMENT	327,040	327,040	.....
110	DEMONSTRATION/VALIDATION	172,351	172,351	.....
120	ENGINEERING DEVELOPMENT	107,753	107,753	.....
130	MANAGEMENT AND SUPPORT	87,096	87,096	.....
140	CAPABILITIES ENHANCEMENT	18,330	18,330	.....

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
150	UNDISTRIBUTED MEDICAL RESEARCH	.....	1,004,200	+1,004,200
	TOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION	931,773	1,956,973	+1,025,200
	TOTAL, DEFENSE HEALTH PROGRAM	38,413,960	39,085,201	+671,241

COMMITTEE RECOMMENDED ADJUSTMENTS

The following table details the adjustments recommended by the Committee:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
010	In-House Care	10,044,342	9,901,132	−143,210
	Program decrease unaccounted for	.....	.....	−14,140
	Unexecutable growth	.....	.....	−129,070
020	Private Sector Care	19,893,028	19,776,328	−116,700
	Unexecutable growth	.....	.....	−116,700
030	Consolidated Health Support	2,007,012	1,985,556	−21,456
	Excess to need	.....	.....	−21,456
060	Education and Training	336,111	353,111	+17,000
	Program increase: TriService nursing research program	.....	.....	+7,000
	Program increase: Uniformed Services University combat medical support research	.....	.....	+7,000
	Program increase: Uniformed Services University Biotechnology Center	.....	.....	+3,000
070	Base Operations/Communications	2,144,551	2,116,738	−27,813
	Unjustified growth	.....	.....	−27,813
UNDIST	Undistributed Adjustment: Projected underexecution	.....	−33,710	−33,710
170	PROC Joint Operational Medicine Information System	29,537	1,467	−28,070
	Insufficient budget justification	.....	.....	−28,070
080	R&D Research	40,311	44,311	+4,000
	Program increase: Special operations TBI pilot program	.....	.....	+4,000
090	R&D Exploratory Development	178,892	195,892	+17,000
	Program increase: Armed Forces Institute of Regenerative Medicine III	.....	.....	+10,000
	Program increase: Military-civilian trauma training partnerships	.....	.....	+5,000
	Program increase: Non direction blast sensors	.....	.....	+2,000
150	Undistributed Medical Research	.....	1,004,200	+1,004,200
	Program increase: Non-narcotic pain management	.....	.....	+1,000
	Program increase: University partnership initiative	.....	.....	+20,000
	Program increase: Joint civilian-medical surge pilot	.....	.....	+15,000
	Program increase: Pharmacogenomics testing for military readiness pilot	.....	.....	+4,000
	Restore core funding reduction	.....	.....	+99,700
	Program increase: Peer-reviewed ALS research	.....	.....	+40,000
	Program increase: Peer-reviewed Alzheimer's research	.....	.....	+15,000
	Program increase: Peer-reviewed breast cancer research	.....	.....	+130,000
	Program increase: Peer-reviewed cancer research	.....	.....	+130,000
	Program increase: Peer-reviewed Duchenne muscular dystrophy research	.....	.....	+10,000
	Program increase: Peer-reviewed epilepsy research	.....	.....	+12,000
	Program increase: Peer-reviewed medical research	.....	.....	+370,000
	Program increase: Peer-reviewed melanoma research	.....	.....	+40,000
	Program increase: Peer-reviewed ovarian cancer research	.....	.....	+15,000

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
	Program increase: Peer-reviewed prostate cancer research			+75,000
	Program increase: Peer-reviewed rare cancers research			+17,500
	Program Increase: Peer-reviewed military burn research			+10,000

Defense Health Program Reprogramming Procedures.—To limit the amount of transfers between the In-House Care and the Private Sector Care budget sub-activities and to continue to improve oversight within the Defense Health Program operation and maintenance account, the Committee includes a provision which caps the funds available for Private Sector Care under the TRICARE program subject to prior approval reprogramming procedures. The provision and accompanying report language should not be interpreted by the Department as limiting the amount of funds that may be transferred to the Direct Care System from other budget activities within the Defense Health Program. In addition, funding for the In-House Care and Private Sector Care budget sub-activities are designated as congressional special interest items for the purpose of the Base for Reprogramming (DD Form 1414). Any transfer of funds in excess of $10,000,000 into or out of these sub-activities requires the Secretary of Defense to follow prior approval reprogramming procedures.

The Committee directs the Secretary of Defense to provide written notification to the congressional defense committees of cumulative transfers in excess of $10,000,000 out of the Private Sector Care budget sub-activity not later than 15 days after such a transfer. The Committee further directs the Assistant Secretary of Defense (Health Affairs) to provide quarterly briefings to the congressional defense committees on budget execution data for all of the Defense Health Program budget activities not later than 30 days after the end of each fiscal quarter, and to adequately reflect changes to the budget activities requested by the Services in future budget submissions.

Carryover.—For fiscal year 2024, the Committee recommends 1 percent carryover authority for the operation and maintenance account of the Defense Health Program, consistent with prior years. The Committee directs the Assistant Secretary of Defense (Health Affairs) to submit a detailed spend plan for any fiscal year 2023 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

Electronic Health Record.—The Committee notes that electronic health record deployment timeline is dependent on a robust information technology program. Therefore, the Committee directs the Program Executive Officer, Defense Healthcare Management Systems [PEO DHMS], to continue to provide monthly reports not later than 15 days after the end of each month to the congressional defense committees on the status of all open incident reports, as well as the 46 high priority incident reports, in order for the Committee to better track the progress of the Department in resolving

the multitude of issues identified in the continuous deployment of MHS GENESIS.

The PEO DHMS, in conjunction with the Director of the Interagency Program Office [IPO] and the Director of the Defense Health Agency, is directed to provide quarterly reports not later than 30 days after the end of each fiscal quarter to the congressional defense committees and the Government Accountability Office on the cost and schedule of the program, to include milestones, knowledge points, and acquisition timelines, as well as quarterly obligation reports. These reports should also include the following: (1) any changes to the deployment timeline, including benchmarks, for full operating capability; (2) any refinements to the cost estimate for full operating capability and the total life cycle cost of the project; and (3) the progress toward developing, implementing, and fielding the interoperable electronic health record throughout the two Departments' medical facilities. The Committee further directs the PEO DHMS to continue briefing the House of Representatives and Senate Defense Appropriations Subcommittees on a quarterly basis, coinciding with the report submission.

Additionally, the Committee directs the Comptroller General to continue quarterly performance reviews of the deployment of MHS GENESIS with a focus on whether the program is meeting expected cost, schedule, scope, quality, and risk mitigation expectations. The Committee expects PEO DHMS to facilitate these quarterly performance reviews by providing the Comptroller General with regular and in-depth access to the program.

The Committee directs the Director of the IPO to continue to provide quarterly reports to the House of Representatives and Senate Subcommittees on Appropriations for Defense and Military Construction, Veterans Affairs, and Related Agencies on the progress of interoperability between the two Departments.

Peer-Reviewed Medical Research Program.—The Committee recommends $370,000,000 for the Peer-Reviewed Medical Research Program. The Committee directs the Secretary of Defense, in conjunction with the Service Surgeons General, to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: accelerated aging processes associated with military service; autism; burn pit exposure; celiac disease; computational biology for precision health; congential cytomegalovirus; congential heart disease; dystonia; eating disorders; Ehlers-Danlos syndrome; far-UVC germicidal light; fibrous dysplasia/McCune-Albright syndrome; focal segmental glomerulosclerosis; food allergies; Fragile X; Guillain-Barre syndrome; hepatitis B; hereditary ataxia; hydrocephalus; inflammatory bowel disease; interstitial cystitis; lymphedema; malaria; maternal mental health; mitochondrial disease; musculoskeletal disorders related to acute and chronic bone conditions and injuries; myalgic encephalomyelitis/chronic fatigue syndrome; myotonic dystrophy; nephrotic syndrome; neuroactive steroids; neurofibromatosis; orthopedic; Parkinson's; peripheral neuropathy; polycystic kidney disease; proteomics; pulmonary fibrosis; reconstructive transplantation; respiratory health; Rett syndrome; scleroderma; sickle-cell disease; suicide prevention; tickborne disease; tuberous sclerosis complex; vascular malforma-

tions; and Von Hippel-Lindau syndrome. The Committee emphasizes that the additional funding provided under the Peer-Reviewed Medical Research Program shall be devoted only to the purposes listed above.

Peer-Reviewed Cancer Research Programs.—The Committee recommends $130,000,000 for the peer-reviewed breast cancer research program, $75,000,000 for the peer-reviewed prostate cancer research program, $40,000,000 for a peer-reviewed melanoma research program, $15,000,000 for the peer-reviewed ovarian cancer research program, $17,500,000 for a peer-reviewed rare cancers research program, and $130,000,000 for the peer-reviewed cancer research program that would research cancers not addressed in the aforementioned programs currently executed by the Department of Defense.

The funds provided in the peer-reviewed cancer research program are directed to be used to conduct research in the following areas: blood cancers; brain cancer; colorectal cancer; endometrial cancer; esophageal cancer; kidney cancer; liver cancer; lung cancer; lymphoma; myeloma; neuroblastoma; pancreatic cancer; pediatric brain tumors; and stomach cancer.

The funds provided under the peer-reviewed cancer research program shall be used only for the purposes listed above. The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report not later than 18 months after the enactment of this act to the congressional defense committees on the status of the peer-reviewed cancer research program. For each research area, the report should include the funding amount awarded, the progress of the research, and the relevance of the research to servicemembers.

Medical Research to Support Military Families.—The Committee recognizes the importance of military family health and well-being to servicemember readiness and morale and commends the Defense Health Agency [DHA] for previous investments in the family and resilience portfolio. The Committee understands that DHA has conducted several studies on these matters and directs the Assistant Secretary of Defense (Health Affairs) to brief the Committees on Appropriations of the House of Representatives and the Senate not later than 60 days after enactment of this act on these 12 studies, including the process for determining research focus areas, outcomes from current research and how it is applied, and any gaps in research or additional required studies. The Committee further directs the Assistant Secretary of Defense (Health Affairs) to collaborate with institutions of higher education, Federal agencies, and non-profit entities that have robust research and clinical expertise with illness and conditions that have material effect on military family health and well-being, including, but not limited to adverse childhood events, medical barriers to growing and supporting families, mental and behavioral health, substance use disorders, and gender-specific health care.

In addition, the Committee recommends $99,700,000 for core defense health research and encourages DHA to continue its investments in the health and well-being of military families. The Committee directs the Assistant Secretary of Defense (Health Affairs) to brief the Committees on Appropriations of the House of Rep-

resentatives and the Senate on the plan for the desired research in each of these areas, including an expected timeline for the research, not later than 90 days after enactment of this act.

TRICARE Pharmacy Services.—The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide a report to the Committees on Appropriations of the House of Representatives and the Senate not later than 60 days after enactment of this act on TRICARE pharmacy services in rural and highly rural regions of the Nation. The report shall include information on the following: (1) whether rural and highly rural beneficiaries have sufficient access to pharmacies within TRICARE's retail pharmacy network compared to suburban and urban beneficiaries; (2) the number of network pharmacies located in rural or highly rural areas in each of the last 5 years; (3) the number of prescriptions filled at rural or highly rural pharmacies in each of the last 5 years; (4) rural and highly rural beneficiary satisfaction with their options for accessing the TRICARE retail pharmacy network in each of the last 5 years. The report shall define rural and highly rural using the meanings of the terms given under the Rural-Urban Commuting Areas coding system of the United States Departments of Agriculture and Health and Human Services.

Health Care in Japan.—The Committee is concerned about the barriers to health care for Department of Defense servicemembers, civilians, contractors and their dependents in Japan. These include access to emergency care, mental health care, pharmaceutical drugs, and reimbursement for medical treatment. The Committee notes that the COVID–19 pandemic further limited the availability of health care in Japan, which was compounded by changes to the operating policies of the Defense Health Agency [DHA] relating to civilian access to care in military medical treatment facilities. Therefore, the Committee directs the Secretary of Defense to provide a report to the congressional defense committees not later than 90 days after enactment of this act identifying the following: (1) the existing barriers to health care for Department of Defense servicemembers, civilians, contractors and their dependents in Japan; (2) the short and long-term actions being taken to address each barrier and increase access to health care by DHA and the military services; (3) the costs associated with the implementation of these measures; and (4) what funding is available within the Department of Defense and military services' fiscal year 2024 budget and the President's budget request for fiscal year 2025 to cover these costs.

Budget or Appropriations Liaison Support.—The Committee is concerned about the Defense Health Agency's poor responsiveness to the Committee's requests for information necessary to carryout congressional budget oversight, review the President's budget request, and make funding recommendations. This includes lack of timely responses, as well as the failure to respond to specific congressional inquiries. Therefore, the Committee directs the Assistant Secretary of Defense (Health Affairs) to review and streamline internal processes to respond to Committee inquiries and requests for information. Further, the Assistant Secretary of Defense (Health Affairs) is directed to report back to the Committees on Appropriations for the House of Representatives and the Senate not later

than 30 days after enactment of this act on the measures implemented to respond directly and promptly with the information required by the Committee and its members.

Medical Simulation for a Medically Ready Force.—The Committee recognizes the Department of Defense for expanding strategies to maintain the readiness of defense medical providers. Future conflicts will differ substantially from those of the past decades placing strenuous demands on providers managing dispersed, high-volume casualties in large scale combat operations. New medical simulation requirements are needed to effectively address combat casualty care performance maintenance in these highly challenging scenarios. Specific considerations should be made for medics and other first responders performing life-saving procedures in austere environments and providers performing advanced procedures in operational theaters. Therefore, the Committee directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Congressionally Directed Medical Research Programs, to provide a briefing to the Committees on Appropriations of the House of Representatives and the Senate on the Defense Health Agency's investment in a plan for the expansion of advanced medical simulation technologies and programs to provide sustainability of medical skillsets critical to the support of future conventional combat operations not later than 120 days after enactment of this act.

Peer-Reviewed Hydrocephalus Research.—The Committee has included hydrocephalus as part of the Peer-Reviewed Medical Research Program and is concerned about the large number of servicemembers at risk of developing hydrocephalus due to traumatic brain injury or other causes. Since 2000, more than 370,000 servicemembers have sustained a traumatic brain injury, and it is estimated that 14 percent of those individuals could develop hydrocephalus as a result. This does not include the approximately 180,000 veterans who currently have normal pressure hydrocephalus, a number that grows every year as the population ages. Unfortunately, many of these cases are probably undiagnosed or misdiagnosed with Alzheimer's, Parkinson's, or another related dementia. Therefore, the Committee encourages the Congressionally Directed Medical Research Programs to further its research into this condition, for which there is no cure. Further, the Committee understands that brain surgery is the only current treatment and that promising research funded under the Peer-Reviewed Medical Research program may serve to improve patient care and outcomes.

Peer-Reviewed Amyotrophic Lateral Sclerosis Research.—The Committee is aware of promising research underway for Amyotrophic Lateral Sclerosis [ALS] through the Congressionally Directed Medical Research Programs. Given that servicemembers are up to twice as likely to develop and die from ALS as those with no history of military service, it is especially important this progress be continued into early phase clinical trials. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to pursue clinical research that can bring effective treatments to people living with ALS as soon as possible.

Next-Generation Negative Pressure Wound Therapy Devices.—The Committee commends the Department of Defense for its continued

research and development activities focused on treating injuries sustained by servicemembers in austere environments. The Committee is aware of the advantages of using negative pressure wound therapy in managing combat-related wounds. However, the Committee notes the lack of research and development and continued delays in procuring next-generation negative pressure wound therapy devices to ensure servicemembers have the most modern combat casualty care technologies available on the battlefield. Therefore, the Committee encourages the Assistant Secretary of Defense (Health Affairs) to pursue research and development advancing negative pressure wound therapy and to finalize acquisition plans to procure next-generation devices for the military health system.

Medical Defense Against Infectious Diseases.—The Committee recognizes the value of the Department of Defense's research on infectious diseases and development of medical countermeasures for naturally occurring infectious diseases, such as malaria, leishmaniasis, diarrheal diseases, Dengue, and Chikungunya viruses. However, the Committee is concerned with the Department of Defense's decision to cut funding for malaria, leishmaniasis, and diarrheal research as these diseases remain top infectious disease threats to servicemembers deployed abroad. Therefore, the Committee encourages the Assistant Secretary of Defense (Health Affairs) to partner with non-profit organizations, academic institutions, Federal agencies, foreign governments, and international agencies that have infectious disease research programs.

Medical Isotope Molybdenum-99.—The Committee encourages the Assistant Secretary of Defense (Health Affairs) to use domestically produced Mo-99 in order to reduce the reliance on foreign imports of Mo-99 which pose national security, public health, and environmental risks.

Nuclear Medicine.—The Committee is encouraged by innovative advances in the field of nuclear medicine research, and the potential to fully realize the promise of precision medicine through the use of novel diagnostic imaging and targeted radiotherapy. Advanced nuclear imaging procedures use disease-specific positron emission tomography [PET] radiopharmaceuticals to identify the presence and magnitude of therapeutic targets in patients with Alzheimer's and Parkinson's disease, advanced cardiac disease, and prostate, breast, neuroendocrine and brain cancer, among others. Innovative nuclear medicine improves diagnostic and targeted treatment capabilities through non-invasive techniques that provide information that cannot be acquired through other imaging technologies. The Committee encourages the Director of the Congressionally Directed Medical Research Programs to include nuclear medicine imaging and related techniques in descriptions of funding opportunities, where relevant, to support early diagnosis, enhanced treatment and outcomes of active duty servicemembers and their families to drive the development of precision imaging and advanced targeted therapies while creating medical and economic efficiencies.

Rapid Deployable Synthetic Vaccine Development.—The Committee notes the significant advancements in vaccine development and the need to quickly distribute infectious disease counter-

measures when required to protect servicemembers deployed worldwide. The Committee encourages the Assistant Secretary of Defense (Health Affairs) to research the development of low cost, single dose, and highly-scalable synthetic peptide vaccines that allow for rapid deployment to military personnel against infectious disease threats.

Advanced Thermoformed Prosthetic Socket Systems.—The Committee commends the research and development activities of the Department of Defense in supporting servicemembers with limb loss, including efforts on the use and optimization of prosthetic devices. Advances in military medical trauma care solutions have evolved over the past 20 years to improve survivability rates following complex and polytraumatic injuries sustained by servicemembers on the battlefield. The increase in survivability rates highlights the need for more advanced technologies and skilled practitioners applying rehabilitation strategies to ensure servicemembers can return to duty or transition to civilians with the highest potential quality of life. To support servicemember health and quality of life following limb loss, advances in prosthetic socket systems aimed at alleviating pain, tissue breakdown, infections, and revision surgeries are required to prevent these comorbidities and ensure proper form, fit, and function of assistive technologies. The Committee strongly encourages the Assistant Secretary of Defense (Health Affairs) to continue and expand research on prosthetic socket systems, including advanced thermoformed systems enabling customization of prosthetics to improve patient outcomes and support Warfighter return to duty or transition to civilian life.

Next-Generation Viral Vectors.—The Committee recognizes that next-generation vectors derived from rhabdoviruses offer promising opportunities to support servicemember health and readiness, as these have already helped vaccinate millions of people against rabies. Vaccine formulations based on rhabdoviral vectors are also highly stable and frequently offer life-long protection with a single dose. The Committee encourages the Department of Defense to support the development of rhabdoviral vaccines through the Defense Health Agency. In particular, the Assistant Secretary of Defense (Health Affairs) is encouraged to partner with vaccine centers with experience in developing viral vectors covering multiple virus-based vaccine platforms that have established collaborations with high containment laboratories which can rapidly mobilize preclinical studies of emerging infectious diseases.

Academic Health Care Center Partnerships for Reconstructive Care.—The Committee recognizes that servicemembers often face uniquely debilitating wounds that can require complex care over a prolonged period. Further, the Committee recognizes that academic health centers are developing multidisciplinary treatment and research programs centered on advanced clinical care and novel research strategies aimed at benefiting the injured servicemember. The large volume and heightened complexity of reconstructive care provided at these academic medical centers makes them well suited to augment the reconstructive care available within the military health system. Therefore, the Committee encourages the Assistant Secretary of Defense (Health Affairs) to develop partnerships with

academic health centers to provide improved access to advanced reconstructive care for injured servicemembers, as well as opportunities for surgical training in advanced reconstructive techniques to include nerve reconstruction and microsurgery.

Continuity of Mental Health Care for Servicemembers and Their Families.—The Committee directs the Assistant Secretary of Defense (Health Affairs) to provide the congressional defense committees with a briefing detailing the Department of Defense's efforts to ensure continuity of mental healthcare for servicemembers and their dependents not later than 90 days after the enactment of this act. This report shall include the following: (1) a summary of relevant Federal and State laws, as well as Department of Defense regulations and policies, governing the provision of mental healthcare services provided by telehealth to servicemembers and their dependents; (2) an explanation of any challenges experienced by servicemembers and their dependents in receiving continuing care from a provider when assigned to a new State or location outside of the United States; (3) an assessment of the value of receiving continuing care from the same mental healthcare provider for various mental healthcare conditions; (4) a description of how the Department of Defense accommodates servicemembers who would benefit from receiving continuing care from a specific mental healthcare provider; and (5) any other matters the Assistant Secretary of Defense (Health Affairs) considers relevant.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

Budget estimate, 2024	$1,091,844,000
Committee recommendation	1,091,844,000

The Committee recommends an appropriation of $1,091,844,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
1	CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE			
	CHEM DEMILITARIZATION–OPERATION AND MAINTENANCE	89,284	89,284	
	TEST AND EVALUATION	1,002,560	1,002,560	
	TOTAL, CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE	1,091,844	1,091,844	

DRUG INTERDICTION AND COUNTER–DRUG ACTIVITIES, DEFENSE

Budget estimate, 2024	$886,426,000
Committee recommendation	994,490,000

The Committee recommends an appropriation of $994,490,000. This is $108,064,000 above the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation	Change from budget estimate
010	Counter-Narcotics Support	643,848	622,593	−21,255
	Maritime patrol procurement excess to need			−11,936
	NGB headquarters realignment			−9,319
020	Drug Demand Reduction Program	134,313	134,313	
030	National Guard Counter-Drug Program	102,272	211,591	+109,319
	NGB headquarters realignment			+9,319
	Program increase			+100,000
040	National Guard Counter-Drug Schools	5,993	25,993	+20,000
	Program increase			+20,000
	Total, Drug Interdiction and Counter-Drug Activities, Defense	886,426	994,490	+108,064

OFFICE OF THE INSPECTOR GENERAL

Budget estimate, 2024	$525,365,000
Committee recommendation	525,365,000

The Committee recommends an appropriation of $525,365,000. This is equal to the budget estimate.

COMMITTEE RECOMMENDED PROGRAM

The following table summarizes the budget estimate for this appropriation, the Committee recommendation, and the Committee recommended adjustments to the budget estimate:

[In thousands of dollars]

Line	Item	2024 budget estimate	Committee recommendation
Office of the Inspector General, Operation and Maintenance		518,919	518,919	
Office of the Inspector General, Operation and Maintenance-CYBER		1,948	1,948	
Office of the Inspector General, Procurement		1,098	1,098	
Office of the Inspector General, Research and Development		3,400	3,400	
Total, Office of the Inspector General		525,365	525,365	

Quarterly End Strength and Execution Reports.—The Department of Defense Inspector General is directed to provide quarterly reports to the congressional defense committees on civilian personnel end strength, full-time equivalents, and budget execution not later than 15 days after the end of each fiscal quarter. The reports should contain quarterly civilian personnel end strength and full-time equivalents as well as an estimate of fiscal year end strength and fiscal year full-time equivalents. The reports should also include quarterly budget execution data along with revised fiscal year estimated execution data. The Inspector General is directed to provide end of fiscal year estimates based on personnel trends to date.

TITLE VII

RELATED AGENCIES

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND

Budget estimate, 2024	$514,000,000
Committee recommendation	514,000,000

The Committee recommends an appropriation of $514,000,000. This is equal to the budget estimate.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

Budget estimate, 2024	$650,000,000
Committee recommendation	601,442,000

The Committee recommends an appropriation of $601,442,000. This is $48,558,000 below the budget estimate.

TITLE VIII

GENERAL PROVISIONS

The following lists general provisions proposed by the Committee. The Committee recommends inclusion of several proposals which have been incorporated in previous appropriations acts, provisions requested for inclusion by the Defense Department, and new provisions. The Committee recommendations are as follows:

SEC. 8001. *Publicity/Propaganda Limitation*.—Retains a provision carried in previous years.

SEC. 8002. *Compensation/Employment of Foreign Nationals*.—Retains a provision carried in previous years.

SEC. 8003. *Annual Availability of Appropriations*.—Retains a provision carried in previous years.

SEC. 8004. *Obligations in Last 2 Months of Fiscal Year*.—Retains a provision carried in previous years.

SEC. 8005. *General Transfer Authority*.—Retains and modifies a provision carried in previous years.

SEC. 8006. *Project Level Adjustments*.—Retains and modifies a provision carried in previous years.

SEC. 8007. *Establishment of Reprogramming Baseline*.—Retains and modifies a provision carried in previous years.

SEC. 8008. *Working Capital Funds Cash Disbursements*.—Retains and modifies a provision carried in previous years.

SEC. 8009. *Special Access Programs Notification*.—Retains a provision carried in previous years.

SEC. 8010. *Multiyear Procurement Authority*.—Retains and modifies a provision carried in previous years.

SEC. 8011. *Humanitarian and Civic Assistance*.—Retains a provision carried in previous years.

SEC. 8012. *Restriction on Civilian Personnel End-Strength*.—Retains and modifies a provision carried in previous years.

SEC. 8013. *Lobbying*.—Retains a provision carried in previous years.

SEC. 8014. *Strategic Delivery Vehicles*.—Retains a provision carried in previous years.

SEC. 8015. *Mentor-Protégé Program*.—Retains and modifies a provision carried in previous years.

SEC. 8016. *Anchor and Mooring Chain*.—Retains a provision carried in previous years.

SEC. 8017. *Alcoholic Beverages*.—Retains and modifies a provision carried in previous years.

SEC. 8018. *Demilitarization of Surplus Firearms*.—Retains a provision carried in previous years.

SEC. 8019. *Relocations into the National Capital Region*.—Retains a provision carried in previous years.

SEC. 8020. *Indian Financing Act*.—Retains and modifies a provision carried in previous years.

SEC. 8021. *Walking Shield*.—Retains a provision carried in previous years.

SEC. 8022. *Tribal Lands Environmental Impact*.—Retains a provision carried in previous years.

SEC. 8023. *Defense Media Activity*.—Retains a provision carried in previous years.

SEC. 8024. *Funding to Maintain Competitive Rates at Arsenals*.—Retains and modifies a provision carried in previous years.

SEC. 8025. *Civil Air Patrol*.—Retains and modifies a provision carried in previous years.

SEC. 8026. *Federally Funded Research and Development Centers*.—Retains and modifies a provision carried in previous years.

SEC. 8027. *Congressional Defense Committee Definition*.—Retains and modifies a provision carried in previous years.

SEC. 8028. *Congressional Intelligence Committee Definition*.—Retains a provision carried in previous years.

SEC. 8029. *Depot Maintenance Competition*.—Retains a provision carried in previous years.

SEC. 8030. *Buy American Act Compliance*.—Retains and modifies a provision carried in previous years.

SEC. 8031. *Carbon, Alloy, or Armor Steel Plate*.—Retains a provision carried in previous years.

SEC. 8032. *Buy American Waivers*.—Retains and modifies a provision carried in previous years.

SEC. 8033. *Ball and Roller Bearings*.—Retains a provision carried in previous years.

SEC. 8034. *National Defense Stockpile Transaction Fund*.—Retains and modifies a provision carried in previous years.

SEC. 8035. *Buy American Computers*.—Retains a provision carried in previous years.

SEC. 8036. *Reciprocal Trade Agreements*.—Retains a provision carried in previous years.

SEC. 8037. *Flag Protection*.—Retains and modifies a provision carried in previous years.

SEC. 8038. *Overseas Military Facility Investment*.—Retains a provision carried in previous years.

SEC. 8039. *Investment Item Unit Cost*.—Retains a provision carried in previous years.

SEC. 8040. *Asia-Pacific Regional Initiative*.—Retains and modifies a provision carried in previous years.

SEC. 8041. *Tobacco Use in the Military*.—Retains a provision carried in previous years.

SEC. 8042. *Working Capital Fund Investment Item Restrictions*.—Retains and modifies a provision carried in previous years.

SEC. 8043. *CIA Availability of Funds*.—Retains and modifies a provision carried in previous years.

SEC. 8044. *Contractor Conversion and Performance*.—Retains a provision carried in previous years.

SEC. 8045. *Rescissions*.—The Committee recommends a general provision rescinding funds from prior years as displayed below:

	Amount ($ in 000s)
2022 Appropriations	
Other Procurement, Army:	
Information Systems	10,000
Shipbuilding and Conversion, Navy: T–AGOS	158,300
Other Procurement, Navy:	
LCS AWS Mission Modules	1,447
Aircraft Procurement, Air Force:	
F–22	45,306
Procurement, Defense-Wide:	
PCMV	204
2023 Appropriations	
Operation and Maintenance, Defense-Wide:	
DSCA Coalition Support Funds	24,000
Counter-Islamic State of Iraq and Syria Train and Equip	48,000
Other Procurement, Army:	
COTS Communication Equipment	25,000
Information Systems	23,962
Automated Data Processing Equipment	10,000
Aircraft Procurement, Navy:	
MQ–25	220,650
Next Generation Jammer	4,673
Procurement of Ammunition, Navy and Marine Corps:	
Air Expendable Countermeasures	2,262
Shipbuilding and Conversion, Navy: DDG–51 Advance Procurement	77,300
Shipbuilding and Conversion, Navy: LPD Flight II Advance Procurement	250,000
Other Procurement, Navy:	
LCS AWS Mission Modules	3,594
Ship Missile Support Equipment	1,101
Aircraft Procurement, Air Force:	
A–10	51,720
F–15	17,300
F–22	117,000
Other Production Charges	37,600
Other Procurement, Air Force:	
General Information Technology—Tactical Data Networks Enterprise	37,100
Procurement, Space Force:	
Space Development Agency Launch	35,069
National Security Space Launch	88,210
Special Space Activities	36,287
Procurement, Defense-Wide:	
PCMV	211
Armed Overwatch/Targeting	17,608
LEA	5,200
Research, Development, Test and Evaluation, Army:	
Army Tactical Command & Control Hardware and Software	709
Project Convergence FY23	25,461
Research, Development, Test and Evaluation, Navy:	
Littoral Airborne MCM	13,849
Standard Missile Improvements	21,912
CHALK CORAL	80,300
Research, Development, Test and Evaluation, Air Force:	
Joint Transportation Management Systems	17,500
EPAWSS	5,000
A–10	30,524
Classified Programs	10,600
Research, Development, Test and Evaluation, Space Force:	
Polar MILSATCOM	16,878
Research, Development, Test and Evaluation, Defense-Wide:	
Central Test and Evaluation Investment Development	75,986

	Amount ($ in 000s)
TOTAL, BASE APPROPRIATIONS	1,647,823

SEC. 8046. *Restrictions on Military Technician Reductions*.—Retains and modifies a provision carried in previous years.

SEC. 8047. *North Korea*.—Retains a provision carried in previous years.

SEC. 8048. *Reserve Component Intelligence Reimbursement*.—Retains a provision carried in previous years.

SEC. 8049. *Counter-Drug Activities Transfer*.—Retains a provision carried in previous years.

SEC. 8050. *United Service Organizations Grant*.—Retains a provision carried in previous years.

SEC. 8051. *Small Business Set-Asides*.—Retains a provision carried in previous years.

SEC. 8052. *Contractor Bonuses*.—Retains a provision carried in previous years.

SEC. 8053. *Reserve Peacetime Support*.—Retains a provision carried in previous years.

SEC. 8054. *Unexpended Balances*.—Retains and modifies a provision carried in previous years.

SEC. 8055. *National Guard Distance Learning*.—Retains a provision carried in previous years.

SEC. 8056. *Prohibition of C–40 Retirement*.—Retains a provision carried in previous years.

SEC. 8057. *End-Item Procurement*.—Retains and modifies a provision carried in previous years.

SEC. 8058. *Military Family Housing*.—Retains a provision carried in previous years.

SEC. 8059. *Defense Innovation Acceleration Projects*.—Retains and modifies a provision carried in previous years.

SEC. 8060. *Secretary of Defense Reporting Requirement*.—Retains a provision carried in previous years.

SEC. 8061. *Missile Defense Authorization*.—Retains a provision carried in previous years.

SEC. 8062. *Armor-Piercing Ammo*.—Retains a provision carried in previous years.

SEC. 8063. *Personal Property Lease Payments*.—Retains and modifies a provision carried in previous years.

SEC. 8064. *Classified O&M, Army Transfer*.—Retains and modifies a provision carried in previous years.

SEC. 8065. *National Intelligence Program Separation*.—Retains a provision carried in previous years.

SEC. 8066. *SOUTHCOM and AFRICOM Appropriation*.—Retains and modifies a provision carried in previous years.

SEC. 8067. *Fisher House Authorization*.—Retains a provision carried in previous years.

SEC. 8068. *O&M, Navy Transfer to Stennis Center*.—Retains a provision carried in previous years.

SEC. 8069. *Assignment of Forces*.—Retains a provision carried in previous years.

SEC. 8070. *Rapid Acquisition Authority Reporting Requirement*.—Retains and modifies a provision carried in previous years.

SEC. 8071. *Israeli Cooperative Programs*.—Retains and modifies a provision carried in previous years.

SEC. 8072. *Prior Year Shipbuilding*.—Retains and modifies a provision carried in previous years.

SEC. 8073. *Intelligence Authorization*.—Retains and modifies a provision carried in previous years.

SEC. 8074. *New Start Authority*.—Retains a provision carried in previous years.

SEC. 8075. *Nuclear Armed Interceptors*.—Retains a provision carried in previous years.

SEC. 8076. *Shipbuilding Transfer Authority*.—Inserts a new provision to provide special transfer authority for ship construction programs.

SEC. 8077. *53rd Weather Reconnaissance Squadron*.—Retains a provision carried in previous years.

SEC. 8078. *Integration of Foreign Intelligence*.—Retains a provision carried in previous years.

SEC. 8079. *DNI Availability of Funds Waiver*.—Retains and modifies a provision carried in previous years.

SEC. 8080. *Shipbuilding Obligations*.—Retains a provision carried in previous years.

SEC. 8081. *DNI Reprogramming Baseline*.—Retains and modifies a provision carried in previous years.

SEC. 8082. *Defense Acquisition Workforce Development Account*.—Retains and modifies a provision regarding reprogramming authorities.

SEC. 8083. *NIP New Starts, Transfers, and Terminations*.—Retains a provision carried in previous years.

SEC. 8084. *Public Disclosure of Agency Reports*.—Retains and modifies a provision carried in previous years.

SEC. 8085. *Contractor Compliance With the Civil Rights Act of 1964*.—Retains a provision carried in previous years.

SEC. 8086. *DOD–VA Medical Facility Demonstration*.—Retains and modifies a provision carried in previous years.

SEC. 8087. *Missile Defense Restriction*.—Retains a provision carried in previous years.

SEC. 8088. *Armored Vehicles*.—Retains and modifies a provision carried in previous years.

SEC. 8089. *NIP Special Transfer Authority*.—Retains and modifies a provision carried in previous years.

SEC. 8090. *National Defense Reserve Fleet*.—Retains and modifies a provision carried in previous years.

SEC. 8091. *Public Disclosure of Grant Agreement*.—Retains and modifies a provision carried in previous years.

SEC. 8092. *Restrictions on NSA*.—Retains a provision carried in previous years.

SEC. 8093. *Transfers to Another Federal Agency*.—Retains and modifies a provision carried in previous years.

SEC. 8094. *Authority to Transfer O&M, Navy Funds to Ready Reserve Force, Maritime Administration Account*.—Retains and modifies a provision carried in previous years.

SEC. 8095. *T–AO Oiler Program*.—Retains a provision carried in previous years.

SEC. 8096. *Buy American Provision for T–ARC(X) and T–AGOS(X)*.—Retains a provision carried in previous years.

SEC. 8097. *Rapid Prototyping with DAWDA*.—Retains a provision carried in previous years.

SEC. 8098. *Government Travel Card Prohibition*.—Inserts a new provision carried in previous years to prohibit the use of the government travel card for entertainment.

SEC. 8099. *Blocking Pornography on Computers*.—Retains a provision carried in previous years.

SEC. 8100. *Prohibition on Use of Equipment for Ceremonial Honors*.—Retains a provision carried in previous years.

SEC. 8101. *Integrity in Federal Contracting*.—Retains a provision carried in previous years.

SEC. 8102. *Software and Digital Technology Pilot*.—Retains and modifies a provision carried in previous years.

SEC. 8103. *U.N. Convention Against Torture*.—Retains a provision carried in previous years.

SEC. 8104. *Ukraine Security Assistance Initiative*.—Retains and modifies a provision carried in previous years.

SEC. 8105. *Burden Sharing With Kuwait*.—Retains and modifies a provision carried in previous years.

SEC. 8106. *Security Cooperation*.—Retains and modifies a provision carried in previous years.

SEC. 8107. *Border Security*.—Retains and modifies a provision carried in previous years.

SEC. 8108. *War Powers Resolution*.—Retains a provision carried in previous years.

SEC. 8109. *Child Soldiers*.—Retains a provision carried in previous years.

SEC. 8110. *Taliban*.—Retains a provision carried in previous years.

SEC. 8111. *Support to Friendly Foreign Countries*.—Retains a provision carried in previous years.

SEC. 8112. *Rosoboronexport*.—Retains and modifies a provision carried in previous years.

SEC. 8113. *Military Readiness Transfer Authority*.—Retains and modifies a provision carried in previous years.

SEC. 8114. *Counterterrorism Equipment*.—Retains a provision carried in previous years.

SEC. 8115. *Coalition Support Funds*.—Retains and modifies a provision carried in previous years.

SEC. 8116. *Creating Helpful Incentives to Produce Semiconductors*.—Retains and modifies a provision carried in previous years.

DEPARTMENT OF DEFENSE ALLOCATION OF FUNDS: CHIPS AND SCIENCE ACT FISCAL YEAR 2024

	Amount ($ in 000s)
Research, Development, Test and Evaluation, Defense-Wide Budget Activity 02, Applied Research:	
Microelectronic Commons	65,062,000
Budget Activity 03, Advanced Technology Development:	
Microelectronic Commons	269,256,000
Budget Activity 04, Advanced Component Development and Prototypes:	
Microelectronic Commons	65,682,000

SEC. 8117. *Advisory and Assistance Services*.—Inserts a new provision to limit excessive growth in the procurement of advisory and assistance services.

SEC. 8118. *Management Efficiencies*.—Inserts a new provision to reflect savings attributable to efficiencies and management improvements in military departments.

SEC. 8119. *Sexual Assault Prevention and Response*.—Inserts a new provision carried in previous years to appropriate funds for continued implementation and expansion of the Sexual Assault Special Victims' Counsel Program.

SEC. 8120. *Wuhan Institute*.—Inserts a new provision carried in previous years to prohibit the use of funds for the Wuhan Institute of Virology.

SEC. 8121. *EcoHealth Alliance, Inc*.—Inserts a new provision carried in previous years to prohibit the use of funds for EcoHealth Alliance, Inc. in China.

SEC. 8122. *Transfer or Release of Detainees*.—Inserts a new provision carried in previous years to prohibit the use of funds for the transfer or release of detainees.

SEC. 8123. *NDAA Compliance for Guantanamo Bay*.—Inserts a new provision carried in previous years to prohibit the use of funds for the transfer of any individual detained at Guantanamo Bay, Cuba.

SEC. 8124. *Modification of Detainee Facilities*.—Inserts a new provision carried in previous years to prohibit the use of funds for facilities to house detainees.

SEC. 8125. *Guantanamo Bay Limitation of Funds*.—Inserts a new provision carried in previous years to prohibit the use of funds for the closure of Guantanamo Bay, Cuba.

SEC. 8126. *Pay and Allowances*.—Inserts a new provision carried in previous years to appropriate funds for pay and allowances to Lieutenant Ridge Alkonis, United States Navy.

SEC. 8127. *Noise Mitigation*.—Inserts a new provision to appropriate funds for installing noise mitigating insulation at covered facilities impacted by military aviation noise.

SEC. 8128. *Afghanistan Security Forces Fund*.—Inserts a new provision to appropriate funds for contract closeouts for the Afghanistan Security Forces Fund.

SEC. 8129. *Alternative Engine*.—Inserts a new provision to prohibit the use of funds to integrate an alternative engine on any F–35 aircraft.

SEC. 8130. *Availability of Funds for Loan Programs*.—Inserts a new provision regarding the availability of funds for loan, loan guarantee, and equity programs.

SEC. 8131. *Rapid Acquisition Authority*.—Inserts a provision carried in previous years regarding rapid acquisition authority.

SEC. 8132. *Revised Economic Assumptions*.—Inserts a new provision to appropriate funds designated as being for an emergency requirement to address the impacts of revised economic assumptions.

SEC. 8133. *Unfunded Priorities*.—Inserts a new provision to appropriate funds designated as being for an emergency requirement to address unfunded priorities.

Account/Item	Amount ($ in 000s)
Operation and Maintenance, Army:	
WRM Equipment / Secondary Items (APS–5) Prepositioned War Reserve Materiel Stockpile Readiness	4,100
Airborne Long-Wave Infra-Red Hyperspectral Imagery Sensor	9,700
Single Aircraft Precision High Frequency Direction Finding and Geolocation	360
Operation and Maintenance, Navy:	
INDOPACOM Campaigning	36,000
Somalia Persistent Presence	115,100
Joint Training Team	28,132
Operation and Maintenance, Marine Corps:	
INDOPACOM Campaigning	8,000
Operation and Maintenance, Air Force:	
INDOPACOM Campaigning	104,054
(OI–3) Fund ISR Digital Infrastructure	71,440
CRESTONE UxS Database Inventory	15,000
Base Support / Globally Positioned Network USCENTCOM Prepositioned War Reserve Materiel Stockpile Readiness	16,000
Operation and Maintenance, Defense-Wide:	
Common Intelligence Picture / Common Operational Picture Services	43,400
Zero Trust Architecture Compliance Acceleration	12,033
Missile Procurement, Army:	
Maneuver-Short Range Air Defense Increment 1	22,700
Other Procurement, Army:	
Integrated Air and Missile Defense Battle CMD System	77,000
Aircraft Procurement, Navy:	
CH–53K Initial and Outfitting Spares	93,000
Other Procurement, Navy:	
Somalia Persistent Presence	36,900
Procurement, Marine Corps:	
Project 7/11—Modular Operations Cells	21,100
Distributed Common Ground/Surface System-Marine Corps All-Source SCI Workstations	5,130
Aircraft Procurement, Air Force:	
E–7 deliveryacceleration	200,000
F-15EX Conformal Tank Sets	127,900
Missile Procurement, Air Force:	
Homeland Defense Mission Related Armament	193,000
Other Procurement, Air Force:	
Air Base Air Defense (ABAD)	66,470
(OI–3) Fund ISR Digital Infrastructure	4,950
Procurement, Defense-Wide:	
Zero Trust Architecture Compliance Acceleration	3,765
Airborne Long-Wave Infra-Red Hyperspectral Imagery Sensor	5,200
Single Aircraft Precision High Frequency Direction Finding and Geolocation	1,376
Research, Development, Test and Evaluation, Navy:	
Fund E–2D Theater Combat ID and HECTR	49,300
Fund ZEUS for DDG–1000 Class	124,500
Research, Development, Test and Evaluation, Air Force:	
(OI–3) Fund ISR Digital Infrastructure	53,500
Research, Development, Test and Evaluation, Defense-Wide:	
Guam Defense System	147,000
Hypersonic Defense	298,000
Next Generation Blue Force Tracker	5,890
Total	2,000,000

SEC. 8134. *Defense Industrial Base Capacity and Workforce*.—Inserts a new provision to appropriate funds designated as being for an emergency requirement to address defense industrial base capacity and workforce shortfalls.

SEC. 8135. *Fuel Costs*.—Inserts a new provision to appropriate funds designated as being for an emergency requirement for higher than anticipated fuel costs.

SEC. 8136. *Armed Forces of Taiwan*.—Inserts a new provision to appropriate funds designated as being for an emergency requirement to assist and support the Armed Forces of Taiwan.

SEC. 8137. *Balanced Budget and Emergency Deficit Control Act of 1985*.—Inserts a new provision regarding the availability of funds.

SEC. 8138. *Confucius Institute Waiver Program*.—Inserts a new provision regarding the Confucius Institute Waiver Program at the Department of Defense.

COMPLIANCE WITH PARAGRAPH 7, RULE XVI OF THE STANDING RULES OF THE SENATE

Paragraph 7 of rule XVI requires that Committee reports accompanying general appropriations bills identify each recommended amendment which proposes an item of appropriation which is not made to carry out the provisions of an existing law, a treaty stipulation, or an act or resolution previously passed by the Senate during that session.

The Committee is filing an original bill, which is not covered under this rule, but reports this information in the spirit of full disclosure.

COMPLIANCE WITH PARAGRAPH 7(c), RULE XXVI OF THE STANDING RULES OF THE SENATE

Pursuant to paragraph 7(c) of rule XXVI, on July 27, 2023, the Committee ordered favorably reported an original bill (S. 2587) making appropriations for the Department of Defense for the fiscal year ending September 30, 2024, and for other purposes, provided that the bill be subject to amendment and that the bill be consistent with its budget allocation, and provided that the Chairman of the Committee or his designee be authorized to offer the substance of the original bill as a Committee amendment in the nature of a substitute to the House companion measure, by a recorded vote of 27–1, a quorum being present. The vote was as follows:

Yeas	Nays
Chair Murray	Mr. Merkley
Mrs. Feinstein	
Mr. Reed	
Mr. Tester	
Mrs. Shaheen	
Mr. Coons	
Mr. Schatz	
Ms. Baldwin	
Mr. Murphy	
Mr. Manchin	
Mr. Van Hollen	
Mr. Heinrich	
Mr. Peters	
Ms. Collins	
Mr. McConnell	
Ms. Murkowski	
Mr. Graham	
Mr. Moran	
Mr. Hoeven	
Mr. Boozman	
Mrs. Capito	
Mr. Kennedy	
Mrs. Hyde-Smith	
Mr. Hagerty	
Mrs. Britt	
Mr. Rubio	
Mrs. Fischer	

COMPLIANCE WITH PARAGRAPH 12, RULE XXVI OF THE STANDING RULES OF THE SENATE

Paragraph 12 of rule XXVI requires that Committee reports on a bill or joint resolution repealing or amending any statute or part of any statute include "(a) the text of the statute or part thereof which is proposed to be repealed; and (b) a comparative print of that part of the bill or joint resolution making the amendment and of the statute or part thereof proposed to be amended, showing by stricken-through type and italics, parallel columns, or other appropriate typographical devices the omissions and insertions which would be made by the bill or joint resolution if enacted in the form recommended by the Committee."

The Committee bill as recommended contains no such provisions.

BUDGETARY IMPACT OF BILL

PREPARED IN CONSULTATION WITH THE CONGRESSIONAL BUDGET OFFICE PURSUANT TO SEC. 308(a), PUBLIC LAW 93–344, AS AMENDED

[In millions of dollars]

	Budget authority		Outlays	
	Committee allocation	Amount in bill	Committee allocation	Amount in bill
Comparison of amounts in the bill with the subcommittee allocation for 2024: Subcommittee on Defense:				
Mandatory	514	514	514	514
Discretionary	823,267	831,267	812,806	[1] 788,788
Defense	187	187	NA	NA
Non-defense	823,080	831,080	NA	NA
Projection of outlays associated with the recommendation:				
2024				[2] 480,244
2025				205,476
2026				65,087
2027				33,337
2028 and future years				27,359
Financial assistance to State and local governments for 2024	NA		NA	[2]

[1] Includes outlays from prior-year budget authority.

[2] Excludes outlays from prior-year budget authority.

NA: Not applicable.

NOTE.—Consistent with the funding recommended in the bill as an emergency requirement in accordance with subparagraph (A)(i) of section 251(b)(2) of the Balanced Budget and Emergency Deficit Control Act of 1985, the Committee anticipates that the Budget Committee will provide, at the appropriate time, a 302(a) allocation for the Committee on Appropriations reflecting an upward adjustment of $8,000,000,000 in budget authority plus the associated outlays.

DISCLOSURE OF CONGRESSIONALLY DIRECTED SPENDING ITEMS

Pursuant to Rule XLIV of the Standing Rules of the Senate, neither the bill nor this explanatory statement contain any congressionally directed spending, limited tax benefits or limited tariff benefits.

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2023 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2024

[In thousands of dollars]

Item	2023 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or −)	
				2023 appropriation	Budget estimate
TITLE I					
MILITARY PERSONNEL					
Military Personnel, Army	49,628,305	50,363,906	49,576,005	−52,300	−787,901
Military Personnel, Navy	36,706,395	38,020,388	37,400,340	+693,945	−620,048
Military Personnel, Marine Corps	15,050,088	15,579,629	15,482,551	+432,463	−97,078
Military Personnel, Air Force	35,427,788	36,766,530	36,118,107	+690,319	−648,423
Military Personnel, Space Force	1,109,400	1,266,573	1,210,928	+101,528	−55,645
Reserve Personnel, Army	5,212,834	5,367,436	5,333,436	+120,602	−34,000
Reserve Personnel, Navy	2,400,831	2,504,718	2,481,249	+80,418	−23,469
Reserve Personnel, Marine Corps	826,712	903,928	879,613	+52,901	−24,315
Reserve Personnel, Air Force	2,457,519	2,471,408	2,450,005	−7,514	−21,403
National Guard Personnel, Army	9,232,554	9,783,569	9,786,667	+554,113	+3,098
National Guard Personnel, Air Force	4,913,538	5,292,425	5,264,865	+351,327	−27,560
Total, title I, Military Personnel	162,965,964	168,320,510	165,983,766	+3,017,802	−2,336,744
Total, Tricare Accrual payments (permanent, indefinite authority)	9,743,000	10,555,000	10,555,000	+812,000	.....
Total, including Tricare	172,708,964	178,875,510	176,538,766	+3,829,802	−2,336,744
TITLE II					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army	59,015,977	59,554,553	59,904,900	+888,923	+350,347
Operation and Maintenance, Navy	68,260,046	72,244,533	72,224,550	+3,964,504	−19,983
Operation and Maintenance, Marine Corps	9,891,998	10,281,913	10,299,917	+407,919	+18,004
Operation and Maintenance, Air Force	60,279,937	62,750,095	62,449,894	+2,169,957	−300,201
Operation and Maintenance, Space Force	4,086,883	5,017,468	4,958,408	+871,525	−59,060
Operation and Maintenance, Defense-Wide	49,574,779	52,768,263	52,508,990	+2,934,211	−259,273

Counter-ISIS Train and Equip Fund	475,000	397,950	372,950	−102,050	−25,000
Operation and Maintenance, Army Reserve	3,206,434	3,630,948	3,623,948	+417,514	−7,000
Operation and Maintenance, Navy Reserve	1,278,050	1,380,810	1,384,310	+106,260	+3,500
Operation and Maintenance, Marine Corps Reserve	347,633	329,395	329,895	−17,738	+500
Operation and Maintenance, Air Force Reserve	3,700,800	4,116,256	4,003,756	+302,956	−112,500
Operation and Maintenance, Army National Guard	8,299,187	8,683,104	8,706,797	+407,610	+23,693
Operation and Maintenance, Air National Guard	7,382,079	7,253,694	7,268,605	−113,474	+14,911
United States Court of Appeals for the Armed Forces	16,003	16,620	16,620	+617	.....
Environmental Restoration, Army	324,500	198,760	265,860	−58,640	+67,100
Environmental Restoration, Navy	400,113	335,240	405,240	+5,127	+70,000
Environmental Restoration, Air Force	573,810	349,744	406,744	−167,066	+57,000
Environmental Restoration, Defense-Wide	10,979	8,965	8,965	−2,014	.....
Environmental Restoration, Formerly Used Defense Sites	317,580	232,806	232,806	−84,774	.....
Overseas Humanitarian, Disaster, and Civic Aid	170,000	114,900	114,900	−55,100	.....
Cooperative Threat Reduction Account	351,598	350,999	350,999	−599	.....
Department of Defense Acquisition Workforce Development Account	111,791	54,977	79,977	−31,814	+25,000
Total, title II, Operation and Maintenance	278,075,177	290,071,993	289,919,031	+11,843,854	−152,962
TITLE III					
PROCUREMENT					
Aircraft Procurement, Army	3,847,834	3,012,440	3,154,007	−693,827	+141,567
Missile Procurement, Army	3,848,853	4,962,017	4,826,906	+978,053	−135,111
Procurement of Weapons and Tracked Combat Vehicles, Army	4,505,157	3,765,521	4,070,011	−435,146	+304,490
Procurement of Ammunition, Army	2,770,120	2,967,578	2,888,332	+118,212	−79,246
Other Procurement, Army	8,668,148	8,672,979	8,402,000	−266,148	−270,979
Aircraft Procurement, Navy	19,031,864	17,336,760	18,759,061	−272,803	+1,422,301
Weapons Procurement, Navy	4,823,113	6,876,385	6,124,220	+1,301,107	−752,165
Procurement of Ammunition, Navy and Marine Corps	920,884	1,293,273	1,187,912	+267,028	−105,361
Shipbuilding and Conversion, Navy	31,955,124	32,848,950	33,250,631	+1,295,507	+401,681
Other Procurement, Navy	12,138,590	14,535,257	14,711,311	+2,572,721	+176,054
Procurement, Marine Corps	3,669,510	3,979,212	3,957,695	+288,185	−21,517
Aircraft Procurement, Air Force	22,196,175	20,315,204	20,114,772	−2,081,403	−200,432
Missile Procurement, Air Force	2,999,346	5,530,446	5,590,622	+2,591,276	+60,176
Procurement of Ammunition, Air Force	857,722	703,158	636,579	−221,143	−66,579
Other Procurement, Air Force	28,034,122	30,417,892	30,397,452	+2,363,330	−20,440
Procurement, Space Force	4,462,188	4,714,294	4,034,798	−427,390	−679,496
Procurement, Defense-Wide	6,139,674	6,156,975	6,059,196	−80,478	−97,779
Defense Production Act Purchases	372,906	968,605	431,212	+58,306	−537,393

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2023 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2024—Continued

[In thousands of dollars]

Item	2023 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or −)	
				2023 appropriation	Budget estimate
National Guard and Reserve Equipment	1,000,000		850,000	−150,000	+850,000
Total, title III, Procurement	162,241,330	169,056,946	169,446,717	+7,205,387	+389,771
TITLE IV					
RESEARCH, DEVELOPMENT, TEST AND EVALUATION					
Research, Development, Test and Evaluation, Army	17,150,141	15,775,381	15,893,354	−1,256,787	+117,973
Research, Development, Test and Evaluation, Navy	26,017,309	26,922,225	26,362,009	+344,700	−560,216
Research, Development, Test and Evaluation, Air Force	44,946,927	46,565,356	45,675,802	+728,875	−889,554
Research, Development, Test and Evaluation, Space Force	16,631,377	19,199,340	18,842,930	+2,211,553	−356,410
Research, Development, Test and Evaluation, Defense-Wide	34,565,478	36,085,834	36,271,140	+1,705,662	+185,306
Operational Test and Evaluation, Defense	449,294	331,489	337,489	−111,805	+6,000
Total, title IV, Research, Development, Test and Evaluation	139,760,526	144,879,625	143,382,724	+3,622,198	−1,496,901
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds	1,654,710	1,675,079	1,795,079	+140,369	+120,000
National Defense Stockpile Transaction Fund		7,629			−7,629
Total, title V, Revolving and Management Funds	1,654,710	1,682,708	1,795,079	+140,369	+112,371
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program					
Operation and maintenance	35,613,417	37,100,306	36,774,417	+1,161,000	−325,889

Procurement	570,074	381,881	353,811	−216,263	−28,070
Research, development, test and evaluation	3,041,610	931,773	1,956,973	−1,084,637	+1,025,200
Total, Defense Health Program	39,225,101	38,413,960	39,085,201	−139,900	+671,241
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance	84,612	89,284	89,284	+4,672	
Research, development, test and evaluation	975,206	1,002,560	1,002,560	+27,354	
Total, Chemical Agents	1,059,818	1,091,844	1,091,844	+32,026	
Drug Interdiction and Counter-Drug Activities, Defense	970,764	886,426	994,490	+23,726	+108,064
Office of the Inspector General	485,359	525,365	525,365	+40,006	
Support for International Sporting Competitions	10,377			−10,377	
Total, title VI, Other Department of Defense Programs	41,751,419	40,917,595	41,696,900	−54,519	+779,305
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000	514,000		
Intelligence Community Management Account (ICMA)	562,265	650,000	601,442	+39,177	−48,558
Total, title VII, Related agencies	1,076,265	1,164,000	1,115,442	+39,177	−48,558
TITLE VIII					
GENERAL PROVISIONS					
Additional Transfer Authority (Sec. 8005)	(6,000,000)	(8,000,000)	(6,000,000)		(−2,000,000)
FFRDC (Sec. 8026)	−129,893		−27,197	+102,696	−27,197
National Defense Stockpile Transaction Fund (Sec. 8034)	93,500		207,629	+114,129	+207,629
Rescissions (Sec. 8045)	−1,083,849		−1,647,823	−563,974	−1,647,823
National Grants (Sec. 8050)	49,000		24,000	−25,000	+24,000
O&M, Defense-Wide Transfer Authority (Sec. 8053)	(30,000)		(30,000)		(+30,000)
O&M, Army Transfer Authority (Sec. 8064)	(158,967)	(175,944)	(175,944)	(+16,977)	
USSOUTHCOM and USSAFRICOM Allies and Partnership (Sec. 8066)	200,000		400,000	+200,000	+400,000
Fisher House O&M Army Navy Air Force Transfer Authority (Sec. 8067)	(11,000)		(11,000)		(+11,000)
John C. Stennis Center for Public Service Development (Sec. 8068)	(1,000)		(1,000)		(+1,000)

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2023 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2024—Continued

[In thousands of dollars]

Item	2023 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or −)	
				2023 appropriation	Budget estimate
Defense Health O&M Transfer Authority (Sec. 8086)	(168,000)	(172,000)	(172,000)	(+4,000)	
Operational Readiness (Sec. 8113)			1,400,000	+1,400,000	+1,400,000
Operational Readiness (Sec. 8113 emergency)			1,900,000	+1,900,000	+1,900,000
Advisory and Assistance Services (Sec. 8117)			−400,000	−400,000	−400,000
Management Efficiencies (Sec. 8118)			−100,000	−100,000	−100,000
Revised Economic Assumptions due to Inflation (Sec. 8132 emergency)			1,500,000	+1,500,000	+1,500,000
Unfunded Priorities of the Armed Forces and Combatant Commands (Sec. 8133 emergency)			2,000,000	+2,000,000	+2,000,000
Defense Industrial Base Capacity and Workforce Enhancement (Sec. 8134 emergency)			1,000,000	+1,000,000	+1,000,000
Revised Economic Assumptions for Fuel (Sec. 8135 emergency)			500,000	+500,000	+500,000
Support for the Armed Forces of Taiwan (Sec. 8136 emergency)			1,100,000	+1,100,000	+1,100,000
Fisher House Foundation	5,000			−5,000	
Public Schools on Military Installations	686,500			−686,500	
Indian Financing Act incentives	25,000			−25,000	
Red Hill Recovery Fund	1,000,000			−1,000,000	
Revised Economic Assumptions due to Inflation	1,052,501			−1,052,501	
Foreign Currency Fluctuations	−956,400			+956,400	
Total, title VIII, General Provisions	941,359		7,856,609	+6,915,250	+7,856,609
OTHER APPROPRIATIONS					
UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2023 (Public Law 117–180, Division B)					
Military Personnel					
Military Personnel, Army (emergency)	110,107			−110,107	
Military Personnel, Navy (emergency)	462			−462	
Military Personnel, Marine Corps (emergency)	600			−600	
Military Personnel, Air Force (emergency)	11,582			−11,582	
Total	122,751			−122,751	

Operation and Maintenance					
Operation and Maintenance, Army (emergency)	654,696			−654,696	
Operation and Maintenance, Navy (emergency)	433,035			−433,035	
Operation and Maintenance, Marine Corps (emergency)	34,984			−34,984	
Operation and Maintenance, Air Force (emergency)	267,084			−267,084	
Operation and Maintenance, Space Force (emergency)	1,771			−1,771	
Operation and Maintenance, Defense-Wide (emergency)	4,713,544			−4,713,544	
Total	6,105,114			−6,105,114	
Procurement					
Missile Procurement, Army (emergency)	450,000			−450,000	
Procurement of Ammunition, Army (emergency)	540,000			−540,000	
Other Procurement, Army (emergency)	3,890			−3,890	
Other Procurement, Navy (emergency)	2,170			−2,170	
Other Procurement, Air Force (emergency)	437,991			−437,991	
Procurement, Defense-Wide (emergency)	9,770			−9,770	
Total	1,443,821			−1,443,821	
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Army (emergency)	3,300			−3,300	
Research, Development, Test and Evaluation, Navy (emergency)	2,077			−2,077	
Research, Development, Test and Evaluation, Air Force (emergency)	99,704			−99,704	
Research, Development, Test and Evaluation, Defense-Wide (emergency)	31,230			−31,230	
Total	136,311			−136,311	
Other Department of Defense Programs					
Office of the Inspector General (emergency)	2,000			−2,000	
Related Agencies					
Intelligence Community Management Account (emergency)	500			−500	
Total, Division B—Ukraine Supplemental Appropriations Act, 2023	7,810,497			−7,810,497	

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2023 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2024—Continued

[In thousands of dollars]

Item	2023 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or −)	
				2023 appropriation	Budget estimate
ADDITIONAL UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2023					
DIVISION M					
Military Personnel					
Military Personnel, Army (emergency)	54,252			−54,252	
Military Personnel, Navy (emergency)	1,386			−1,386	
Military Personnel, Marine Corps (emergency)	1,400			−1,400	
Military Personnel, Air Force (emergency)	31,028			−31,028	
Military Personnel, Space Force (emergency)	3,663			−3,663	
Total	91,729			−91,729	
Operation and Maintenance					
Operation and Maintenance, Army (emergency)	3,020,741			−3,020,741	
Operation and Maintenance, Navy (emergency)	871,410			−871,410	
Operation and Maintenance, Marine Corps (emergency)	14,620			−14,620	
Operation and Maintenance, Air Force (emergency)	580,266			−580,266	
Operation and Maintenance, Space Force (emergency)	8,742			−8,742	
Operation and Maintenance, Defense-Wide (emergency)	21,160,737			−21,160,737	
Total	25,656,516			−25,656,516	
Procurement					
Missile Procurement, Army (emergency)	354,000			−354,000	
Procurement of Ammunition, Army (emergency)	687,000			−687,000	
Other Procurement, Army (emergency)	6,000			−6,000	
Other Procurement, Air Force (emergency)	730,045			−730,045	

Procurement, Defense-Wide (emergency)	3,326			−3,326	
Total	1,780,371			−1,780,371	
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Army (emergency)	5,800			−5,800	
Research, Development, Test and Evaluation, Navy (emergency)	38,500			−38,500	
Research, Development, Test and Evaluation, Air Force (emergency)	185,142			−185,142	
Research, Development, Test and Evaluation, Defense-Wide (emergency)	89,515			−89,515	
Total	318,957			−318,957	
Other Department of Defense Programs					
Defense Health Program:					
Operation and Maintenance (emergency)	14,100			−14,100	
Office of the Inspector General (emergency)	6,000			−6,000	
Total, Other Department of Defense Programs	20,100			−20,100	
Related Agencies					
Intelligence Community Management Account (emergency)	75			−75	
Total, Division M—Additional Ukraine Supplemental Appropriations Act, 2023	27,867,748			−27,867,748	
DISASTER RELIEF SUPPLEMENTAL APPROPRIATIONS ACT, 2023 (Public Law 117–328)					
DIVISION N					
Operation and Maintenance					
Operation and Maintenance, Navy (emergency)	82,875			−82,875	
Operation and Maintenance, Army Reserve (emergency)	6,786			−6,786	
Operation and Maintenance, Army National Guard (emergency)	16,572			−16,572	
Total, Division N—Disaster Relief Supplemental Appropriations Act, 2023	106,233			−106,233	
Total, Other Appropriations	35,784,478			−35,784,478	

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR FISCAL YEAR 2023 AND BUDGET ESTIMATES AND AMOUNTS RECOMMENDED IN THE BILL FOR FISCAL YEAR 2024—Continued

[In thousands of dollars]

Item	2023 appropriation	Budget estimate	Committee recommendation	Senate Committee recommendation compared with (+ or −)	
				2023 appropriation	Budget estimate
Grand total	833,994,228	826,648,377	831,751,268	−2,242,960	+5,102,891
(Appropriations)	(799,293,599)	(826,648,377)	(825,399,091)	(+26,105,492)	(−1,249,286)
(Emergency appropriations)	(35,784,478)	.....	(8,000,000)	(−27,784,478)	(+8,000,000)
(Rescissions)	(−1,083,849)	.....	(−1,647,823)	(−563,974)	(−1,647,823)
(Transfer Authority)	(6,368,967)	(8,347,944)	(6,389,944)	(+20,977)	(−1,958,000)