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House of Representatives

EXPLANATORY STATEMENT SUBMITTED BY MRS. LOWEY, CHAIRWOMAN OF THE HOUSE COMMITTEE ON APPROPRIATIONS, REGARDING THE HOUSE AMENDMENT TO THE SENATE AMENDMENT TO H.R. 133, CONSOLIDATED APPROPRIATIONS ACT, 2021

The following is an explanation of the Consolidated Appropriations Act, 2021.

This Act includes the 12 regular appropriations bills for fiscal year 2021, supplemental appropriations for coronavirus response and relief, and other matter. The divisions contained in the Act are as follows:

- Division A—Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2021
- Division B—Commerce, Justice, Science, and Related Agencies Appropriations Act, 2021
- Division C—Department of Defense Appropriations Act, 2021
- Division D—Energy and Water Development and Related Agencies Appropriations Act, 2021
- Division E—Financial Services and General Government Appropriations Act, 2021
- Division F—Department of Homeland Security Appropriations Act, 2021
- Division G—Department of the Interior, Environment, and Related Agencies Appropriations Act, 2021
- Division H—Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Act, 2021
- Division I—Legislative Branch Appropriations Act, 2021
- Division J—Military Construction, Veterans Affairs, and Related Agencies Appropriations Act, 2021
- Division K—Department of State, Foreign Operations, and Related Programs Appropriations Act, 2021
- Division L—Transportation, Housing and Urban Development, and Related Agencies Appropriations Act, 2021
- Division M—Coronavirus Response and Relief Supplemental Appropriations Act, 2021
- Division N—Additional Coronavirus Response and Relief
- Division O—Extensions and Technical Corrections
- Division P—National Bio and Agro-Defense Facility Act of 2020
- Division Q—Financial Services Provisions and Intellectual Property
- Division R—Protecting Our Infrastructure of Pipelines and Enhancing Safety Act of 2020
- Division S—Innovation for the Environment
- Division T—Smithsonian American Women's History Museum Act and National Museum of the American Latino
- Division U—Homeland Security and Governmental Affairs Provisions
- Division V—Aircraft Certification, Safety, and Accountability
- Division W—Intelligence Authorization Act for Fiscal Year 2021
- Division X—Supporting Foster Youth and Families Through the Pandemic
- Division Y—American Miner Benefits Improvement
- Division Z—Energy Act of 2020
- Division AA—Water Resources Development Act of 2020
- Division BB—Private Health Insurance and Public Health Provisions
- Division CC—Health Extenders
- Division DD—Montana Water Rights Protection Act
- Division EE—Taxpayer Certainty and Disaster Tax Relief Act of 2020
- Division FF—Other Matter

Section 1 of the Act is the short title of the bill.

Section 2 of the Act displays a table of contents.

Section 3 of the Act states that, unless expressly provided otherwise, any reference to ''this Act'' contained in any division shall be treated as referring only to the provisions of that division.

Section 4 of the Act states that this explanatory statement shall have the same effect with respect to the allocation of funds and implementation of this legislation as if it were a joint explanatory statement of a committee of conference.

Section 5 of the Act provides a statement of appropriations.

Section 6 of the Act states that each amount designated by Congress as being for emergency requirements or for Overseas Contingency Operations/Global War on Terrorism (OCO/GWOT) is contingent on the President so designating all such emergency or OCO/GWOT amounts and transmitting such designations to Congress.

Section 7 of the Act relates to the cost of living adjustments for Members of Congress.

Section 8 of the Act specifies the definition for the term ''coronavirus''.

Section 9 of the Act makes technical adjustments to certain reporting requirements.

The Act does not contain any congressional earmarks, limited tax benefits, or limited tariff benefits as defined by clause 9 of rule XXI of the Rules of the House of Representatives.

DIVISION A—AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

CONGRESSIONAL DIRECTIVES

The explanatory statement accompanying this division is approved and indicates congressional intent. Unless otherwise noted, the language set forth in House Report 116–446 carries the same weight as language included in this explanatory statement and should be complied with unless specifically addressed to the contrary in this explanatory statement. While some language is repeated for emphasis, it is not intended to negate the language referred to above unless expressly provided herein.

In cases in which the House or this explanatory statement has directed the submission of a report, such report is to be submitted to both the House and Senate Committees on Appropriations no later than 60 days after enactment of this Act, unless otherwise directed.

Hereafter, in division A of this statement, the term 'the Committees' refers to the Committees on Appropriations of the House of Representatives and the Senate.

For the appropriations provided by this Act and previous Acts, the departments and agencies funded by this agreement are reminded that the Committees use the definitions for transfer, reprogramming, and program, project, and activity as defined by the Government Accountability Office (GAO) in GAO–04–261SP Appropriations Law—Vol. I and GAO–05–734SP Budget Glossary.

A transfer is the shifting of funds between appropriations. It applies to (1) transfers from one agency to another, (2) transfers from one account to another within the same agency, and (3) transfers to an interagency or intra-agency working fund. In each instance, statutory authority is required.

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Reprogramming is the utilization of funds in an appropriation account for purposes other than those contemplated at the time of appropriation. It is the shifting of funds from one object to another within an appropriation.

A program, project, or activity (PPA) is an element within a budget account. PPAs are identified by reference to include the most specific level of budget items identified in the Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Act, 2021, accompanying Committee reports, explanatory statements, and budget justifications. Program activity structures are intended to provide a meaningful representation of the operations financed by a specific budget account by project, activity, or organization.

For fiscal year 2021, the Committees continue to include bill language requiring advanced notification of certain agency actions. Notification will be required at least 30 days in advance of any action if (1) a major capital investment is modified; (2) an office is realigned or reorganized; and (3) activities are carried out that were not described in the budget request.

The agreement directs the Office of Budget and Program Analysis (OBPA) of the U.S. Department of Agriculture (USDA) to provide an organizational chart for each agency funded by this Act to the division and subdivision level, as appropriate, by February 1, 2021. The agreement also directs the Food and Drug Administration (FDA) and the Farm Credit Administration (FCA) to provide an organizational chart of each agency respectively to the division and subdivision level, as appropriate, by February 1, 2021.

Further, USDA and FDA should be mindful of Congressional authority to determine and set final funding levels for fiscal year 2022. Therefore, the agencies should not presuppose program funding outcomes and prematurely initiate action to redirect staffing prior to knowing final outcomes on fiscal year 2022 program funding. The agreement directs OBPA to provide the Committees with the number of staff years and employees on board for each agency funded by this Act on a monthly basis.

The agreement notes that the explanatory statement accompanying the Commerce, Justice, Science, and Related Agencies Appropriations Act, 2021 directs the Attorney General to ensure implementation of evidence-based training programs on de-escalation and the use-of-force, as well as on police-community relations, that are broadly applicable and scalable to all Federal law enforcement agencies. The agreement further notes that several agencies funded by this Act employ Federal law enforcement officers and are Federal Law Enforcement Training Centers partner organizations. The agreement directs such agencies to consult with the Attorney General regarding the implementation of these programs for their law enforcement officers. The agreement further directs such agencies to brief the Committees on Appropriations on their efforts relating to such implementation no later than 90 days after consultation with the Attorney General. In addition, the agreement directs such agencies, to the extent that they are not already participating, to consult with the Attorney General and the Director of the FBI regarding participation in the National Use-of-Force Data Collection. The agreement further directs such agencies to brief the Committees on Appropriations, no later than 90 days after enactment of this Act, on their current efforts to so participate.

TITLE I

AGRICULTURAL PROGRAMS

PROCESSING, RESEARCH AND MARKETING

OFFICE OF THE SECRETARY

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $46,998,000 for the Office of the Secretary. This includes an increase of $500,000 for the Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers and Veteran Farmers and Ranchers program. The agreement provides $1,000,000 for the Office of Tribal Relations.

USDA is directed to provide a report on January 4, 2021 and May 18, 2021, on planned uses of funding under the authorities of Section 4 and Section 11 of the CCC Charter Act.

The agreement does not include language related to symposia.

There is concern that without consultation with or approval from the Committees, the Department changed the format of the Explanatory Notes for the fiscal year 2021 budget request. For fiscal year 2022 and future years, the Department is directed to present Explanatory Notes in a format consistent with the presentation used for the fiscal year 2020 Budget, with similar display and narrative and table of contents. The Explanatory Notes should also put the accounts in the same order as the accounts in the bill. Any deviations from that format are to be approved in advance by the Committees. The Department is strongly encouraged to improve the quality of its budget justifications.

The agreement is aware of concerns that the interim final rule entitled ''Establishment of a Domestic Hemp Production Program'' published by the Department in the Federal Register on October 31, 2019 (84 Fed. Reg. 58522) may create compliance challenges for the regulated community by using sampling and testing protocols that require too short a timeframe between testing and harvest, failing to provide a lack of alternative to the use of Drug Enforcement Administration registered laboratories, requiring the conversion of THCA into delta–9 THC, requiring a sampling of only flowering tops, and establishing an inflexible negligence threshold of 0.5 percent. The agreement directs USDA to ensure that any final rule is based on science, is in accordance with underlying law, and will ensure a fair and reasonable regulatory framework for commercial hemp production in the United States. In addition, the agreement encourages the Secretary to utilize the current research at the Agricultural Research Service and the Land-Grant Universities partnering with the National Institute of Food and Agriculture to guide the hemp sampling and testing protocols.

In addition, the USDA shall develop regulations, within existing authority, that protect the transportation, processing, sale, or use of hemp and in-process hemp extract, that may temporarily exceed a delta–9 THC concentration of 0.3%, including in-process hemp extract that was: (1) produced from hemp that meets the definition of hemp under 7 U.S.C. §1639o; (2) cultivated in accordance with subtitle G of the Agricultural Marketing Act of 1946 [7 U.S.C. 1639o et seq.] (as added by section 10113 of the Agriculture Improvement Act of 2018) or section 7606 of the Agricultural Act of 2014 [7 U.S.C. 5940]; (3) not packaged as a finished product; and (4) not sold or offered for sale as a finished product to consumers.

No later than 60 days after enactment, the Department is directed to submit an execution strategy for each new initiative funded in this Act and to submit quarterly reports on each initiative until it is fully implemented. This strategy should include, but is not limited to, the steps necessary to make funding available, the timeline thereof, targeted beneficiaries, and expected results.

The agreement understands that complex problems affecting the health of humans, animals, and the environment are best solved through improved communication, cooperation, and collaborations. Within 120 days of enactment, the Secretary shall submit a report to the Committees detailing existing collaborative efforts between FDA, USDA, and other agencies to prevent and respond to zoonotic disease outbreaks in animals and humans. The report may include, but is not limited to, competitive research grant programs; training and support for scientists, first responders, or medical personnel; engagement of nongovernmental entities; and participation in international collaboration and research to assist in establishing a One Health program.

Beginning with the fiscal year 2021 spending plans, USDA is directed to include for each program, project, or activity: (1) a comparison between the congressional budget justification funding levels, the most recent congressional directives or approved funding levels, and the funding levels proposed by the department or agency; and (2) a clear, concise, and informative description/justification. USDA is reminded of notification requirements, also included in Title VII, for all applicable changes.

The agreement is aware of 57 outstanding reports overdue to the Committees from prior fiscal years. The Department is directed to include in its fiscal year 2022 Congressional Justification, as a single exhibit, a table listing all deliverables, with a column for due date if applicable. The agreement further directs the Department, through OBPA, to provide an update on all overdue reports and provide monthly updates thereafter.

The Secretary is directed to provide a report, no later than March 1, 2021, on specific agency authorities and activities that could contribute to more robust solar power generation in rural areas, associated economic benefits for landowners and rural communities, and land use implications including wildlife habitat and soil and water quality. The Secretary should also outline opportunities for collaboration with the Department of Energy on this strategy.

The agreement recognizes the recent enactment of a domestic ban on the slaughter, transportation, possession, purchase, and sale of dogs and cats for human consumption. The agreement urges the Secretary to work to move forward with an international agreement to ban the trade of dog and cat meat worldwide.

The agreement is aware of informal collaborations among USDA agencies and State, local, and territorial governments in the insular Pacific to combat invasive species, protect local ecologies, and prevent the introduction of additional invasive pests to the U.S. mainland. The agreement urges the Secretary to move forward with formal memoranda of agreements.

The agreement encourages the Secretary to study the usage and impacts of energy and water in hemp cultivation and controlled environment agriculture and to make recommendations on best practices and standards in both sectors.

The agreement recognizes the importance of the temporary agricultural workers program in supporting U.S. agriculture and maintaining our food supply and urges the Secretary to coordinate with other relevant Departments to provide additional flexibilities to consulates and those involved with processing visas in a manner that protects public health while ensuring the visa application process moves forward.

The agreement encourages agencies to disclose costs associated with analyses required

by the National Environmental Policy Act (Public Law 91–190).

The agreement is concerned about unfair wheat grading practices that negatively affect American wheat growers that export to Canada. Current Canadian grading automatically downgrades American wheat to the lowest quality designation while the U.S. grading system provides a fair examination for wheat imported from Canada. The agreement believes this discrepancy needs to be addressed to ensure U.S wheat growers are being treated fairly.

The agreement understands the importance of the Hatch Act and the responsibility of federal employees to refrain from engaging in political activities while they are on the job. The agreement expects the Department to ensure that all employees are reminded of their obligations under the Hatch Act, 5 U.S.C. 7323(a) and 7324(a), and any implications of violations thereto.

The following table reflects the agreement:

OFFICE OF THE SECRETARY

(Dollars in thousands)

Office of the Secretary	$5,101
Office of Homeland Security	1,324
Office of Partnerships and Public Engagement	7,002
Office of Assistant Secretary for Administration	881
Departmental Administration	21,440
Office of Assistant Secretary for Congressional Relations and Intergovernmental Affairs	3,908
Office of Communications	7,342
Total, Office of the Secretary	$46,998

EXECUTIVE OPERATIONS

OFFICE OF THE CHIEF ECONOMIST

The agreement provides $24,192,000 for the Office of the Chief Economist, including an increase of $500,000 for the U.S. Drought Monitor.

The agreement provides $8,000,000 for policy research under 7 U.S.C. 3155 for entities with existing institutional capacity to conduct complex economic and policy analysis and which have a lengthy and well-documented record of conducting policy analysis for the benefit of USDA, the Congressional Budget Office, or the Congress. Of the amount provided for policy research activities, $3,000,000 is provided for the Department to focus efforts on entities that have developed models, databases, and staff necessary to conduct in-depth analyses of impacts of agriculture or rural development policy proposals on rural communities, farmers, agribusiness, taxpayers, and consumers. The Department is encouraged to fund regional and State-level baseline projections in addition to currently available national and international outlooks.

OFFICE OF HEARINGS AND APPEALS

The agreement provides $15,394,000 for the Office of Hearings and Appeals.

OFFICE OF BUDGET AND PROGRAM ANALYSIS

The agreement provides $9,629,000 for the Office of Budget and Program Analysis.

OFFICE OF THE CHIEF INFORMATION OFFICER

The agreement provides $66,814,000 for the Office of the Chief Information Officer, including $56,000,000 for cybersecurity activities.

OFFICE OF THE CHIEF FINANCIAL OFFICER

The agreement provides $6,109,000 for the Office of the Chief Financial Officer.

OFFICE OF THE ASSISTANT SECRETARY FOR CIVIL RIGHTS

The agreement provides $908,000 for the Office of the Assistant Secretary for Civil Rights.

OFFICE OF CIVIL RIGHTS

The agreement provides $22,789,000 for the Office of Civil Rights.

AGRICULTURE BUILDINGS AND FACILITIES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $108,124,000 for Agriculture Buildings and Facilities. The Department is urged to use the Non-recurring Expense Fund for any additional needs. The agreement supports the One Neighborhood initiative for which a large increase was requested. However, the budget justification did not provide sufficient justification to fund it in full.

HAZARDOUS MATERIALS MANAGEMENT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $6,514,000 for Hazardous Materials Management.

OFFICE OF SAFETY, SECURITY, AND PROTECTION

The agreement provides $23,218,000 for the Office of Safety, Security, and Protection.

OFFICE OF INSPECTOR GENERAL

The agreement provides $99,912,000 for the Office of Inspector General, including an increase of $500,000 to address illegal animal fighting.

OFFICE OF THE GENERAL COUNSEL

The agreement provides $45,390,000 for the Office of the General Counsel.

OFFICE OF ETHICS

The agreement provides $4,184,000 for the Office of Ethics.

OFFICE OF THE UNDER SECRETARY FOR RESEARCH, EDUCATION, AND ECONOMICS

The agreement provides $809,000 for the Office of the Under Secretary for Research, Education, and Economics.

The agreement notes that Section 7132 of the 2018 Farm Bill directed the Office of the Chief Scientist to complete a strategic plan for the Agriculture Advanced Research and Development Authority (AGARDA) that demonstrates USDA's vision for AGARDA. The agreement directs USDA to complete this strategic plan not later than 180 days after the enactment of this Act. The plan should include a discussion of how AGARDA can work in collaboration with ongoing research programs operating in ARS and NIFA.

The agreement notes statements made by the Department acknowledging the eligibility of researchers participating in hemp pilot programs, as defined by Section 7606 of the Agricultural Act of 2014 (Public Law 113–79). The agreement directs the Department to work with and inform stakeholders of this eligibility and to support hemp research, as authorized by Section 7606 of the Agricultural Act of 2014 (Public Law 113–79) and Subtitle G of the Agricultural Marketing Act of 1946 (7 U.S.C. 1621–1627, 1635–1638).

The agreement directs the Secretary to prioritize research and work on pollinator health and to continue to gather data on an annual basis with respect to the losses of such colonies, rising input costs, and pollinators' overall economic value to the food economy.

The agreement recognizes the important role silvopasture farming has in stimulating farmer income, local water retention, carbon sequestration, improved animal welfare conditions, and decreased erosion. The Secretary is encouraged to prioritize funding for silvopasture research and education. The agreement directs the Secretary to submit a report to the Committees, within 180 days of enactment of this Act, evaluating the impact of current educational outreach on farmer utilization of silvopasture practices.

ECONOMIC RESEARCH SERVICE

The agreement provides $85,476,000 for the Economic Research Service (ERS).

The agreement recognizes the economic importance of international trade for U.S. agricultural commodities and believes that producers and markets would benefit from having access to additional data on the country of destination or origin of those commodities. The agreement directs ERS to report on a quarterly basis the top five agricultural commodity exports and imports by State and to identify the country of destination or origin of those commodities.

The agreement maintains funding provided in fiscal year 2020 for ERS to expand its current feed cost components surveys nationally.

The agreement notes that the organic industry has grown at a tremendous rate over the past several years and accurate data for the production, pricing, and marketing of organic products is essential. The agreement encourages ERS to continue and expand the efforts relating to organic data analysis.

The agreement recognizes that a lack of job opportunities in some rural areas is causing more workers to commute greater distances to urban areas from rural areas, but this increased commuting does not represent an increase in access to services for rural residents. Therefore, the agreement encourages ERS to continue to coordinate its research work with the Federal Office of Rural Health Policy to identify clear, consistent, and data-driven methods for accurately defining rural areas in the United States.

NATIONAL AGRICULTURAL STATISTICS SERVICE

For the National Agricultural Statistics Service (NASS), the agreement provides an appropriation of $183,921,000, of which $46,300,000 is for the Census of Agriculture. The agreement includes an increase of $500,000 for NASS to coordinate with AMS to expand organic price reporting and data collection and an increase of $500,000 to complete the Floriculture Crops Report. In compiling the report, NASS shall include data from Alaska.

The agreement does not accept any proposed eliminations or reductions of ongoing activities, including Acreage, Crop Production and Grain Stocks; Barley acreage and production estimates; the Bee and Honey Program; the Chemical Use Data Series, including the collection of Fruit Chemical Use data and Vegetable Chemical Use data in alternating years; the Floriculture Crops Report; and Fruit and Vegetable Reports, including in-season forecasts for non-citrus fruit and tree nut crops such as pecans. The funding provided will allow NASS to resume or begin completion of these reports at the frequency levels assumed in fiscal year 2020. NASS is directed to resume all of these reports immediately upon enactment of this Act.

AGRICULTURAL RESEARCH SERVICE

SALARIES AND EXPENSES

The agreement provides $1,491,784,000 for the Agricultural Research Service (ARS), Salaries and Expenses.

The agreement does not accept the President's budget request regarding the termination of research programs, redirections of research programs, or closure of research locations. The agreement expects extramural and intramural research to be funded at no less than the fiscal year 2020 levels, including but not limited to agricultural genomics, alternative technologies for animal waste utilization, aquaculture seedstock, blueberry breeding, center for pollinator health, contagious bovine pleuropneumonia, cotton blue disease, cotton ginning, cover crops research and outreach, feed enhancement, floriculture and nursery research, foodborne pathogens, forest products, fruit fly and exotic pest control, genomes to fields, high performance computing, harmful algal bloom, hops research, macadamia tree health, pear genetics

and genomics, pollinator recovery, postharvest dairy research, potato research, poultry production technology development, poultry research, precision viticulture, predictive modeling tools, resilient dryland farming, shrimp production research, small farm orchard unit, small grains genomics, soft white wheat falling numbers test, sorghum genetic database, sudden oak death, tree fruit post-harvest research, U.S. Wheat and Barley Scab Initiative, warmwater aquaculture, and wheat and sorghum research. The agreement provides funding increases for activated foods, advancing the efficiency of forage-based beef production, alfalfa, ancient crops, animal health and agro-/bio-defense, aquaponics system development, barley pests, bee genomic sequencing, cercospora leaf spot disease, chronic wasting disease, contamination and sanitation inspection tools, cover crops and cereal grain variety, cranberry research, crops and soils research, dietary manipulation to improve gut health in broilers, East Coast shellfish research, fertilizer innovation research, food systems, fruit fly and exotic pest control, genetic oat research, healthy soils, hemp germplasm, hemp production systems, horticultural trade, human nutrition research, livestock genetic research, Missouri River Basin water resource management, National Bio- and Agro-Defense Facility (NBAF), Pacific Coast shellfish genetics and breeding, peanut research, pecan genetics, pecan processing research, precision aquaculture, pulse crop quality, pulse health, rangeland precision livestock management, rangeland research, regional climate hubs, sclerotinia, small fruits, soil carbon research, sugar beet research, sugarcane variety, sustainable aquaculture, sustainable water use, unmanned aerial systems precision agriculture applications, whitefly, and wildfire smoke taint.

The agreement recognizes the importance of 1890s Land Grant Institutions and the collaborative relationships that have developed with ARS research facilities over the years. The agreement directs ARS to explore expanding partnerships with 1890s Land Grant Institutions on ongoing and new research to ensure future beneficial collaborations.

The agreement directs ARS to ensure that each of its facilities housing animals is adhering to the Animal Welfare Act at all times and to submit quarterly reports that include both all violations found by the Animal and Plant Health Inspection Service (APHIS) during that quarter and the specific actions that will be taken to prevent their recurrence.

Cattle fever ticks pose a significant health threat to U.S. cattle and other species across the entire Southern region of the United States. The agreement encourages ARS to develop safe and effective compounds to combat cattle fever ticks. The agreement also directs ARS to coordinate development of its long-term cattle fever tick research program with APHIS efforts under the Cattle Fever Tick Eradication Program. The agreement provides no less than the fiscal year 2020 level for cattle fever tick research.

The agreement encourages ARS and the Plant Genetics Resources Research Unit to partner with 1890 institutions that have existing institutional capacity on hemp germplasm research, education, and extension capabilities.

The agreement notes ongoing efforts to develop a new strategic plan for the National Arboretum to carry out its missions of research, education, and public display gardens. The agreement expects that such plan will address necessary security and safety enhancements and new signage to enhance public access of the National Arboretum. In addition, the agreement directs ARS to explore entering into agreements with the District of Columbia and private sector partners to fulfill these public access improvements.

The agreement directs ARS to continue its Atlantic salmon breeding and domestication work. The agreement also notes that the current ARS Atlantic salmon breeding program lacks a geneticist and supports efforts by the Department to address this need.

The agreement understands the budget request proposes to close ARS laboratories across the country and does not support this proposal. The agreement directs ARS to fully staff laboratories even if the laboratory is proposed to be closed in the budget request.

The agreement strongly encourages ARS to maintain its focus on agriculture-related legal issues within the National Agricultural Library. Agricultural-related legal issues are increasingly complex and the impact of these legal issues continues to broaden in scope. The agreement provides no less than the fiscal year 2020 level for the National Agricultural Library to support the Agricultural Law Information Partnership. The agreement does not concur with any reductions in administration budget requests and encourages ARS and the National Agricultural Library to engage in multi-year cooperative agreements with the Agricultural Law Information Partnership's partner institutions.

The agreement encourages ARS to provide direct, place-based assistance to 1862 Institutions in States that do not have ARS facilities to address the research priorities of such States and directs ARS to submit a report on the prospective options of such assistance.

The agreement is concerned about the threats invasive pests pose to the Pacific region, notably to agriculture, the economy, environment, human health, and national security. The agreement directs ARS to work with stakeholders, including holding a public meeting, in the Pacific region to assess options for combatting invasive pests. Options may include invasive pest biocontrol research and development facilities, including appropriate containment and rearing facilities.

The Department is urged to use the Nonrecurring Expense Fund for any additional NBAF needs.

BUILDINGS AND FACILITIES

The agreement provides $35,700,000 for ARS Buildings and Facilities.

The agreement notes the importance of ARS laboratories and the need for continued improvement. The agreement directs ARS to evaluate its capital asset requirements for necessary coordination with ongoing and emerging research opportunities. As part of this evaluation, ARS should provide opportunity for public comment in order to incorporate the priorities of all interested stakeholders, including ARS and other scientists, and users of ARS data. The agreement also notes the important collaboration between ARS and universities and the impact that aging facilities have on new research opportunities. The agreement directs ARS to submit a report that includes information on the current utilization of ARS facilities by universities and other cooperators, as well as the extent to which ARS is housed in cooperator facilities. In addition, the agreement recognizes the national importance of the research performed by ARS facilities that are not owned by ARS. Ongoing efforts to upgrade ARS facilities to be on par with the critical research done by the agency has not addressed ARS research done by ARS employees at non-ARS facilities. Accordingly, the agreement directs ARS to provide to the Committees not later than 180 days after the enactment of this Act a long-term, multi-year plan to guide capital asset and construction decisions for new agricultural research facilities focused on regionally and nationally important research topics, including plant breeding and genetics research and plant germplasm preservation.

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE

RESEARCH AND EDUCATION ACTIVITIES

The agreement provides $992,642,000 for the National Institute of Food and Agriculture (NIFA), Research and Education Activities.

The agreement recognizes the value of leading public and land-grant universities with unique high-throughput phenotyping and greenhouse facilities and expertise for plant science innovation, root and rhizome innovation, and food for health. The agreement provides funding for the Genome to Phenome program and encourages NIFA to support the development of tools and datasets that can be used across multiple crop species to develop advanced genome engineering tools for integrated optimization of crop yield and livestock feed for improved animal reproduction and nutrition and to mitigate environmental impacts from crop and livestock production. The agreement directs NIFA to use a competitive process to issue awards and urges additional focus on root stocks that increase carbon capture and can support grain crop covers.

The agreement is concerned with the insufficient progress made in the Agriculture and Food Research Initiative (AFRI) to address conventional plant and animal breeding that can provide farmers with greater access to locally and regionally adapted cultivars. The agreement directs the agency to make regionally adapted, publicly held cultivar development a distinct funding priority within AFRI for fiscal year 2021 and directs the agency to take steps to improve its tracking of public cultivar projects within AFRI. NIFA is directed to submit a report to the Committees that describes the progress in meeting these two goals. In addition, the agreement notes that research that improves fertilizer use efficiency in crops is eligible for the AFRI program and encourages the Department to further address this important issue.

The agreement provides funding to support research for alfalfa and forage to improve yields, conserve water, create new uses, and for other research areas holding the potential to advance the alfalfa seed and alfalfa forage industry.

The agreement encourages NIFA to support research on algae and algae applications in agriculture, including new technologies and commercial markets for renewable and sustainable products derived from algae.

The agreement encourages USDA to support aquaculture disease and vaccine research, including research on finfish vaccines and pathogens, which have the potential to accelerate the growth of sustainable U.S. aquaculture, reduce the trade deficit attributed to imported seafood, and reduce the pressure on overfished species.

The agreement recognizes the importance of the domestic aquaculture industry to the U.S. economy and provides funding for aquaculture research to address issues related to genetics, disease, systems, and economics.

The agreement is supportive of the activities carried out by the Binational Agricultural Research and Development (BARD) and recognizes that this collaboration is of mutual benefit to the United States and Israel. The agreement encourages NIFA to leverage all possible funding streams to support BARD research projects, which have contributed significantly to both the U.S. and Israeli economies.

The agreement recognizes the need for research on eradicating livestock diseases, particularly bovine brucellosis and bovine tuberculosis, and encourages NIFA to make competitive grants available to study improved management tools for zoonotic livestock diseases with significant wildlife reservoirs.

The agreement is concerned that large grocer recruitment remains a problem for many communities, particularly those experiencing higher rates of abandoned or vacant homes. The Department is encouraged to explore innovative approaches to address access to nutritional food options in urban food deserts, including the development of community-wide urban agriculture projects that assist in eliminating vacant properties while providing the communities with much-needed fresh produce.

The agreement directs NIFA to work with research institutions to develop and refine predictive models and monitoring technologies for native and invasive pests for incorporation into integrated pest management programs for naturally seeded, native berry crops to increase the margin of food safety and product quality.

The agreement directs NIFA to study the recent infestation of oak mites and focus on suppression and eradication possibilities.

The agreement notes that the National Organic Standards Board (NOSB) has identified key organic research priorities. The agreement encourages NIFA to give strong consideration to these priorities when crafting the fiscal year 2021 Request for Applications for AFRI and the Organic Transition Program. Given the growing demand for organic products, the agreement also encourages USDA to increase the number of organic research projects funded under AFRI and the Specialty Crop Research Initiative.

The agreement notes that the Agriculture Improvement Act of 2018 (Public Law 115–334) expanded the Extension Risk Management Education Program to include a wide range of farm viability activities and dramatically increased the mandatory funding provided for this program. In light of this funding increase, the agreement directs NIFA to raise the maximum grant size in order to accommodate a wider range of project types and scopes and urges NIFA to develop a process to support regional, multi-regional, and national projects, which would require a separate, larger maximum grant size.

The agreement supports small fruit research to promote sustainable production of berry and grape crops with the goal of reducing pesticide use and improving quality and yield. The agreement notes growing concerns about invasive insects, such as the spotted winged drosophila and brown marmorated stink bug, and the negative impact they have on small fruit production and integrated pest management. The agreement strongly encourages USDA to support research to improve the ability to forecast pest and disease spread and implement precision management strategies.

The agreement recognizes the importance of nationally coordinated, regionally managed canola research and extension programs and encourages the Secretary to give priority consideration to proposals that address research needs in production areas with the greatest potential to expand, as well as those where canola production is established and needs to be maintained.

The agreement strongly supports the Sustainable Agriculture Research and Education program and directs USDA to ensure that research, education, and extension activities carried out within the program remain intact. The Secretary is encouraged to support professional development program activities such as training, grants, and resources for agricultural professionals to build their awareness, knowledge, and skills related to soil health and carbon sequestration.

The agreement encourages NIFA to support practical, hands-on educational and training needs of the rapidly expanding dairy industry through collaborations that bring together students, young dairy professionals, academia, and dairy producers.

The following table reflects the agreement:

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE RESEARCH AND EDUCATION ACTIVITIES

(Dollars in thousands)

Hatch Act	7 U.S.C. 361a–i	$259,000
McIntire-Stennis Cooperative Forestry Act.	16 U.S.C. 582a through a–7.	36,000
Research at 1890 Institutions (Evans-Allen Program).	7 U.S.C. 3222	73,000
Payments to the 1994 Institutions	7 U.S.C. 301 note	4,500
Education Grants for 1890 Institutions	7 U.S.C. 3152(b)	26,000
Scholarships at 1890 Institutions	7 U.S.C. 3222a	10,000
Education Grants for Hispanic-Serving Institutions.	7 U.S.C. 3241	12,500
Education Grants for Alaska Native and Native Hawaiian-Serving Institutions.	7 U.S.C. 3156	3,194
Research Grants for 1994 Institutions	7 U.S.C. 301 note	4,000
Capacity Building for Non Land-Grant Colleges of Agriculture.	7 U.S.C. 3319i	5,000
Grants for Insular Areas	7 U.S.C. 3222b–2, 3362 and 3363.	2,000
Agriculture and Food Research Initiative.	7 U.S.C. 3157	435,000
Veterinary Medicine Loan Repayment	7 U.S.C. 3151a	8,500
Veterinary Services Grant Program	7 U.S.C. 3151b	3,000
Continuing Animal Health and Disease Research Program.	7 U.S.C. 3151a	4,000
Supplemental and Alternative Crops	7 U.S.C. 3319d	1,000
Multicultural Scholars, Graduate Fellowship and Institution Challenge Grants.	7 U.S.C. 3152(b)	9,500
Secondary and 2-year Post-Secondary Education.	7 U.S.C. 3152(j)	900
Aquaculture Centers	7 U.S.C. 3322	5,000
Sustainable Agriculture Research and Education.	7 U.S.C. 5811, 5812, 5831, and 5832.	40,000
Farm Business Management	7 U.S.C. 5925f	2,000
Sun Grant Program	7 U.S.C. 8114	3,000
Research Equipment Grants	7 U.S.C. 3310a	5,000
Alfalfa and Forage Research Program	7 U.S.C. 5925	3,000
Minor Crop Pest Management (IR–4)	7 U.S.C. 450i(e)	11,913
Special Research Grants:	7 U.S.C. 450i(c)	
Global Change/UV Monitoring		1,405
Potato Research		2,750
Aquaculture Research		2,000
Total, Special Research Grants		6,155
Necessary Expenses of Research and Education Activities:		
Grants Management System		7,924
Federal Administration—Other Necessary Expenses for Research and Education Activities.		11,556
Total, Necessary Expenses		19,480
Total, Research and Education Activities.		$992,642

NATIVE AMERICAN INSTITUTIONS ENDOWMENT FUND

The agreement provides $11,880,000 for the Native American Institutions Endowment Fund.

EXTENSION ACTIVITIES

The agreement provides $538,447,000 for NIFA, Extension Activities.

The agreement notes the concern that farmers and ranchers face highly stressful working conditions, which can contribute to serious behavioral health concerns, especially during downturns in the farm economy and trade uncertainty. The agreement urges the Department to prioritize proposals from regions that have seen high levels of farm bankruptcies, auctions, and other signals of severe economic distress when reviewing award applications for the Farm and Ranch Stress Assistance Network program. The Secretary is directed to provide quarterly reports to the Committees detailing the indicators of stress, data on stress response strategies, and emerging trends in rural economic and healthcare needs resulting from these stress interventions. In addition, the agreement directs NIFA and the Department's Rural Health Liaison to coordinate with the Department of Health and Human Services to gather and utilize existing data sets prepared by the Centers for Disease Control and Prevention on farmer and rancher mental and behavioral health. Further, the agreement directs NIFA and the Rural Health Liaison to work together to provide a report on farmers' and ranchers' mental health status, access to behavioral health care, as well as geographic and demographic factors that are associated with higher rates of substance abuse, suicide, and job dissatisfaction. The report should also discuss barriers in collecting or accessing this information. The agreement directs the Department to provide the report not later than 180 days after enactment.

The agreement notes the essential function that the Cooperative Extension System plays in ensuring that farmers, ranchers, and communities of all sizes are empowered to meet the challenges they face, adapt to changing technology, improve nutrition and food safety, prepare for and respond to emergencies, and protect our environment. The agreement rejects proposed cuts to Extension Activities and notes the increased importance of extension given the extraordinary stresses placed on farmers, ranchers, rural businesses and communities, and the food supply chain by trade and market uncertainty and the current economic downturn.

The agreement is concerned that the Cooperative Extension System may not reach minority, socially disadvantaged, and Tribal communities in proportion to their participation in the agricultural sector. All institutions that receive extension funding should seek to ensure that an equitable percentage of their overall extension work reaches minority, socially disadvantaged, and Tribal communities. The agreement directs NIFA to evaluate distribution of extension resources to these three populations and report to the Committees no later than 90 days after enactment of this Act.

The following table reflects the agreement:

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE EXTENSION ACTIVITIES

(Dollars in thousands)

Smith-Lever, Section 3(b) and (c) programs and Cooperative Extension.	7 U.S.C. 343(b) and (c) and 208(c) of P.L. 93–471.	$315,000
Extension Services at 1890 Institutions	7 U.S.C. 3221	62,000
Extension Services at 1994 Institutions	7 U.S.C. 343(b)(3)	8,500
Facility Improvements at 1890 Institutions.	7 U.S.C. 3222b	21,500
Renewable Resources Extension Act	16 U.S.C. 1671 et seq..	4,060
Rural Health and Safety Education Programs.	7 U.S.C. 2662(i)	4,000
Food Animal Residue Avoidance Database Program.	7 U.S.C. 7642	2,500
Women and Minorities in STEM Fields	7 U.S.C. 5925	400
Food Safety Outreach Program	7 U.S.C. 7625	10,000
Food & Ag Service Learning	7 U.S.C. 7633	2,000
Farmer Stress Assistance Network	7 U.S.C. 5936	10,000
Smith-Lever, Section 3(d):	7 U.S.C. 343(d)	
Food and Nutrition Education		70,000
Farm Safety and Youth Farm Safety Education Programs.		5,000
New Technologies for Agricultural Extension.		3,550
Children, Youth, and Families at Risk.		8,395
Federally Recognized Tribes Extension Program.		3,200
Total, Section 3(d)		90,145
Necessary Expenses of Extension Activities:		
Agriculture in the K–12 Classroom	7 U.S.C. 3152(j)	552

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE EXTENSION ACTIVITIES—Continued

(Dollars in thousands)

Federal Administration—Other Necessary Expenses for Extension Activities.		7,790
Total, Necessary Expenses		8,342
Total, Extension Activities		$538,447

INTEGRATED ACTIVITIES

The agreement provides $39,000,000 for NIFA, Integrated Activities.

The agreement directs the Secretary to support pest management programs in potato growing States to minimize the application of pesticides and to maximize the yield and quality of harvested potatoes.

The following table reflects the amounts provided by the agreement:

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE INTEGRATED ACTIVITIES

(Dollars in thousands)

Methyl Bromide Transition Program	7 U.S.C. 7626	$2,000
Organic Transition Program	7 U.S.C. 7626	7,000
Regional Rural Development Centers	7 U.S.C. 450i(c)	2,000
Food and Agriculture Defense Initiative	7 U.S.C. 3351	8,000
Crop Protection/Pest Management Program.	7 U.S.C. 7626	20,000
Total, Integrated Activities		$39,000

OFFICE OF THE UNDER SECRETARY FOR MARKETING AND REGULATORY PROGRAMS

The agreement provides $809,000 for the Office of the Under Secretary for Marketing and Regulatory Programs.

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $1,064,179,000 for the Animal and Plant Health Inspection Service (APHIS), Salaries and Expenses. The agreement provides a net increase of $21,468,000 for high priority initiatives in order to protect the plant and animal resources of the Nation from pests and diseases. Within the increase total, the agreement includes the following: $7,368,000 for pay and retirement contributions; $2,300,000 for the Equine, Cervid, and Small Ruminant Health program to help address chronic wasting disease; $3,000,000 for the Center for Veterinary Biologics for additional staff; $3,000,000 for Zoonotic Disease Management for an antimicrobial resistance dashboard tool; $2,000,000 for Cotton Pests for boll weevil eradication activities; $9,000,000 for Specialty Crop Pests for the control and eventual eradication of the navel orangeworm ($2,000,000) and of the spotted lanternfly ($4,000,000), and for canine detection and surveillance activities ($3,000,000); $1,000,000 for Wildlife Damage Management to support feral swine eradication efforts; $2,000,000 for Wildlife Services Methods Development for chronic wasting disease work at the National Wildlife Research Center; and $1,000,000 for Horse Protection.

The agreement includes $6,200,000 in reductions as requested by the Department from Veterinary Diagnostics and completed pest programs. The agreement also reallocates $3,000,000 from Field Crop and Rangeland Ecosystems Pests and provides the same amount separately for a pilot program for the control and eradication of the cogongrass weed.

Excluding pay and retirement contribution adjustments, the agreement provides a total of $69,500,000 for citrus health programs, including projects for Huanglongbing (HLB) and support for the HLB Multi-Agency Coordination Group.

The agreement provides $32,893,000 for Agricultural Quarantine Inspections (AQI), including pre-departure and interline inspections. The agreement notes that assessing AQI treatment monitoring fees on a per-enclosure basis imposes disproportionate impacts on industry and user groups at certain key ports of entry, including ports along the Southeastern United States. USDA is encouraged to continue evaluating alternative and equitable funding mechanisms in consultation with relevant stakeholder groups.

The agreement provides $3,000,000 for APHIS to work with a public-private partnership focused on combating the global threat of antimicrobial resistance across humans, animals, and the environment by way of the development of an antimicrobial resistance dashboard tool for livestock management, research, risk, and stewardship.

The agreement provides no less than the fiscal year 2020 level for cattle fever tick eradication needs and directs APHIS to coordinate with ARS on the development of its long-term cattle fever tick research program.

The agreement provides no less than $11,000,000 for cervid health activities. Of the amount provided, $7,000,000 shall be for APHIS to allocate funds directly to State departments of wildlife and State departments of agriculture to further develop and implement chronic wasting disease (CWD) surveillance, testing, management, and response activities. In allocating these funds, APHIS shall give priority to States that have experienced a recent incident of CWD, have a CWD monitoring and surveillance program, and have a diagnostic laboratory system certified for CWD testing. Within the remaining $4,000,000 provided, APHIS should give consideration to indemnity payments if warranted.

Of the funds made available for the National Clean Plant Network (NCPN), $500,000 is provided for equipment purchases to ensure the establishment of an additional diagnostic and therapy center for the NCPN–Berries. Further, no less than the fiscal year 2020 level should be available for the NCPN–Berries diagnostic center.

The agreement directs APHIS to work with ARS and stakeholders, and provides no less than the fiscal year 2020 level to develop an integrated management program for control of the Roseau cane scale insect pest infestation.

The agreement is aware that USDA has confirmed the detection of Asian giant hornets in Washington State. The agreement directs the Department to keep the Committees apprised of any new nest detections and resources needed to support detection surveys, outreach, and methods development for detection and response tools to prevent the establishment of the Asian giant hornet in the United States.

The agreement recognizes the extreme economic hardship posed to gamebird and egg farmers when flocks are determined to be infected by highly and low pathogenic avian influenza and acknowledges the severe limitations on controlled marketing available to producers of live game birds, as well as the income loss from egg production. The agreement encourages APHIS to provide full indemnity coverage for gamebird and egg operations and cease attempts to limit coverage.

The agreement urges USDA to consider providing emergency response resources, such as a funding set aside from the Plant Protection Act Section 7721 program, to rapidly respond to pest emergencies of high economic consequence in Hawaii. The agreement also urges USDA to assist with coordination, support, and other available tools and resources to State, academic, and coffee industry stakeholders.

The agreement remains concerned about the capacity of States to conduct surveillance, testing, prevention, and research relating to Eastern Equine Encephalitis and provides no less than the fiscal year 2020 level to support ongoing cooperative agreements with impacted States.

The agreement recognizes the importance of discovering collaborative, science-based solutions for feral wild horse animal management and encourages APHIS to study the control of large feral animal populations that pose health and safety risks.

The agreement provides no less than the fiscal year 2020 level to support the implementation of the Lacey Act within the Safe Trade and International Technical Assistance program.

The agreement supports the Department's decision to develop a new National Aquaculture Health Plan in accordance with Executive Order 13921 and directs APHIS to collaborate with State and land-grant university partners in the development of the new plan. The agreement further directs the Department to report to the Committees within 60 days of enactment of this Act on its efforts in this regard.

The agreement provides no less than $3,000,000 for APHIS to develop a qualified workforce comprised of subject matter experts. The agreement encourages APHIS to establish cooperative agreements with academic research institutions, particularly non-land grant Hispanic-Serving Institutions, to support the next generation of the NBAF workforce.

The agreement is concerned about online dog dealers that are continuing to sell animals without the necessary USDA licenses pursuant to the Animal Welfare Act. The agreement encourages APHIS to continue to conduct robust oversight and enforcement of this statute and the 2013 rule requiring online dealers who are selling animals to consumers sight-unseen to have the necessary license.

The agreement includes no less than the fiscal year 2020 funding level to improve understanding of EU1 and NA1 strains of the sudden oak death pathogen and treatment methods to inform control and management techniques in wildlands.

The agreement encourages APHIS to further investigate West Nile virus and other infectious diseases affecting farm raised alligators and develop treatments and methods to prevent infection and transmission.

The agreement provides no less than the fiscal year 2020 level for the agency to reduce blackbird depredation in the Northern Great Plains.

The agreement provides no less than the fiscal year 2020 level for damage management efforts and the development of methods to assist catfish producers in combatting the persistent threat and economic hardship caused by cormorants, pelicans, and other birds.

The agreement provides an additional $1,000,000 above the fiscal year 2020 level in support of APHIS efforts to decrease the damage and risk to agriculture, natural resources, and property caused by feral swine.

The agreement provides $28,000,000 for the National Rabies Management Program to fortify existing barriers and advance prevention and eradication efforts.

The agreement provides $2,000,000 within Wildlife Damage Management to maintain a national training academy focused on those areas of greatest concern for human-animal conflicts.

The agreement supports additional research to address improved diagnostics, management, treatment, and transmission pathways of CWD. Concerns also remain about the growing threat of CWD in the Southeastern United States and the potential for

conflicts between people and cervids nationwide. The agreement notes that while CWD has the potential to reduce populations long-term and cause major socio-economic impacts, its zoonotic potential lacks a definitive conclusion, among other unknowns. Therefore, the agreement provides an additional $2,000,000 to expand the mission area of Wildlife Services and its National Wildlife Research Center to include CWD-related research, including activities to prevent future conflicts between humans and cervid populations.

The agreement is concerned by the growing prevalence of Little Cherry Disease in the Pacific Northwest and California, and the significant threat that it poses to the region's stone fruit. The agreement encourages the Secretary to prioritize work and research on detection and mitigation of the disease and to work with growers, universities, and other partners to develop effective control mechanisms.

The following table reflects the agreement:

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(In thousands of dollars)

Animal Health Technical Services	$38,093
Aquatic Animal Health	2,272
Avian Health	63,213
Cattle Health	105,216
Equine, Cervid, and Small Ruminant Health	28,982
National Veterinary Stockpile	5,736
Swine Health	25,020
Veterinary Biologics	20,570
Veterinary Diagnostics	56,979
Zoonotic Disease Management	19,620
Subtotal, Animal Health	365,701
Agricultural Quarantine Inspection (Appropriated)	32,893
Cotton Pests	13,597
Field Crop & Rangeland Ecosystems Pests	10,942
Pest Detection	27,733
Plant Protection Methods Development	20,884
Specialty Crop Pests	196,553
Tree & Wood Pests	60,456
Subtotal, Plant Health	363,058
Wildlife Damage Management	111,647
Wildlife Services Methods Development	21,046
Subtotal, Wildlife Services	132,693
Animal & Plant Health Regulatory Enforcement	16,400
Biotechnology Regulatory Services	19,020
Subtotal, Regulatory Services	35,420
Contingency Fund	478
Emergency Preparedness & Response	41,268
Subtotal, Emergency Management	41,746
Agriculture Import/Export.	15,722
Overseas Technical & Trade Operations	24,198
Subtotal, Safe Trade	39,920
Animal Welfare	31,661
Horse Protection	2,009
Subtotal, Animal Welfare	33,670
APHIS Information Technology Infrastructure	4,251
Physical/Operational Security	5,153
Rent and DHS Payments	42,567
Subtotal, Agency Management	51,971
Total, Direct Appropriation	$1,064,179

BUILDINGS AND FACILITIES

The agreement provides $3,175,000 for APHIS Buildings and Facilities.

AGRICULTURAL MARKETING SERVICE

MARKETING SERVICES

The agreement provides $188,358,000 for Agricultural Marketing Service (AMS), Marketing Services.

The agreement provides increases of $2,000,000 for the Farmers Market and Local Food Promotion Program; $2,000,000 for the National Organic Program; and $500,000 for the Organic Data Initiative.

The agreement recognizes that accurate data for the production, pricing, and marketing of organic products is essential to maintaining stable markets, identifying fraud, creating risk management tools, tracking production trends, and increasing exports. The Secretary is directed to require mandatory reporting on an annual basis by accredited certifying agents on aggregate production areas certified by crop and location in order to accurately calculate organic acreage and yield estimates on a country-by-country basis. Additionally, the agreement directs the Secretary to submit a report to the Committees within one year of enactment of this Act detailing the Department's current collection and publication of organic data and identifying gaps in the reporting or collection of organic-specific data.

The agreement encourages AMS to prioritize proposals for the Acer Access and Development Program that support the promotion of research and education, natural resource sustainability, and market development and promotion.

The agreement recognizes the severe stress and harsh economic losses facing the Nation's dairy farmers that have driven thousands of farmers out of business and delayed economic recovery for those that remain. Given this urgency, the agreement encourages the Secretary to use all available resources to help these struggling farmers to diversify, innovate, and reduce risk.

The agreement recognizes that the current economic climate has had a severe, negative impact on local food systems. The agreement encourages AMS to prioritize funding applications that increase the resilience and adaptability of local food systems and ensure compliance with the Food Safety Modernization Act.

The agreement urges USDA to reestablish the Wild Caught Working Group under the National Organic Standards Board to evaluate wild capture aquatic animal production systems and assess the feasibility and appropriateness of developing organic production, handling, and labeling standards for wild caught seafood. USDA is directed to provide a report on the status of discussions with interested parties, including the wild caught seafood industry and the organic community, regarding the feasibility and framework for establishing organic standards for wild-caught seafood.

The agreement recognizes the importance of consumer confidence in the integrity of the USDA Organic Seal and notes the work that USDA has done to increase training and certifier consistency with respect to dairy operations. The agreement directs AMS to continue to resolve inconsistencies in enforcement and interpretation of regulations, including those relating to the transition of livestock to organic dairy production and dry matter intake during the grazing season. AMS is further directed to continue to conduct critical risk-based oversight, particularly for large, complex dairy operations.

The agreement recognizes the importance of ensuring that meat pricing mechanisms are transparent and provide reliable price discovery for cattle producers and that farmers, ranchers, processors, and consumers must have a fair and competitive marketplace. The agreement directs the Secretary, working with the Attorney General as appropriate, to act expeditiously to analyze these issues and to consider extending the ongoing investigation to include recent economic disruptions.

LIMITATION ON ADMINISTRATIVE EXPENSES

The agreement includes a limitation on administrative expenses of $61,227,000.

FUNDS FOR STRENGTHENING MARKETS, INCOME, AND SUPPLY (SECTION 32)

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $20,705,000 for Funds for Strengthening Markets, Income, and Supply.

The following table reflects the status of this fund:

Appropriation (30% of Customs Receipts)	$22,733,332
Less Transfers:	
Food and Nutrition Service	−21,040,057
Commerce Department	−262,275
Total, Transfers	−21,302,332
Budget Authority, Farm Bill	1,431,000
Appropriations Temporarily Reduced—Sequestration.	−71,136
Budget Authority, Appropriations Act	1,359,864
Less Obligations:	
Child Nutrition Programs (Entitlement Commodities)	485,000
State Option Contract	5,000
Removal of Defective Commodities	2,500
Disaster Relief	5,000
Additional Fruits, Vegetables, and Nuts Purchases	206,000
Fresh Fruit and Vegetable Program	183,000
Estimated Future Needs	800,425
Total, Commodity Procurement	1,686,925
Administrative Funds:	
Commodity Purchase Support	36,746
Marketing Agreements and Orders	20,705
Total, Administrative Funds	57,451
Total Obligations	$1,744,376

PAYMENTS TO STATES AND POSSESSIONS

The agreement provides $1,235,000 for Payments to States and Possessions.

LIMITATION ON INSPECTION AND WEIGHING SERVICES EXPENSES

The agreement includes a limitation on inspection and weighing services expenses of $55,000,000.

OFFICE OF THE UNDER SECRETARY FOR FOOD SAFETY

The agreement provides $809,000 for the Office of the Under Secretary for Food Safety.

The agreement recognizes the current pressure across the food supply chain. The Food Safety and Inspection Service (FSIS) is directed to do everything possible to ensure employees are safe. This includes determining whether an establishment's operating procedures sufficiently protect the safety of inspectors. The agreement directs FSIS to review the impact of the line-speed waivers it has granted on employees' health and safety and report back to the Committees within 90 days of enactment of this Act. Going forward, FSIS is encouraged to consult with the Occupational Safety and Health Administration to ensure that any future line speed increases would not have an adverse impact on employees' safety.

FOOD SAFETY AND INSPECTION SERVICE

The agreement provides $1,075,703,000 for the Food Safety and Inspection Service (FSIS). This amount includes $4,500,000 for the Consumer Safety Inspection conversion and $1,000,000 to defray the costs of inspection personnel outside of scheduled hours for the inspection of wild caught invasive species in the order siluriformes and family Ictaluridae.

The agreement directs FSIS to provide a report no later than 120 days after enactment of this Act with strategies the agency is using to ensure that Brazilian raw beef imports are meeting the set standards.

The following table reflects the agreement:

FOOD SAFETY AND INSPECTION SERVICE

(Dollars in thousands)

Federal	$957,348
State	66,730
International	17,045
Public Health Data Communications Infrastructure System	34,580
Total, Food Safety and Inspection Serviced	$1,075,703

TITLE II

FARM PRODUCTION AND CONSERVATION PROGRAMS

OFFICE OF THE UNDER SECRETARY FOR FARM PRODUCTION AND CONSERVATION

The agreement provides $916,000 for the Office of the Under Secretary for Farm Production and Conservation.

The agreement does not support the co-location of FPAC agency State offices into General Services Administration (GSA) locations if it is not in the best interest of USDA employees, customers, and taxpayers. Therefore, the agreement directs the Under Secretary for FPAC to provide a report within 90 days of enactment of this Act on proposed co-locations of FPAC agency State offices, the cost-savings benefits associated with each, and anticipated improvements in customer service associated with each proposed GSA location.

FARM PRODUCTION AND CONSERVATION BUSINESS CENTER

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $231,302,000 for the Farm Production and Conservation (FPAC) Business Center. In addition, $60,228,000 is transferred from the Commodity Credit Corporation, $112,000 is transferred from the P.L. 480 Program, and $318,000 is transferred from Commodity Credit Corporation Export Loan Programs.

The agreement notes that in prior years, transfers from the P.L. 480 and the Commodity Credit Corporation Export Loan Programs were provided to the Farm Service Agency, Salaries and Expenses. Now that those functions have been transferred to the Business Center, so too are these funds.

The agreement notes that the FPAC Business Center was created by the Secretary in 2018 with the goals of consolidating administrative functions, reducing inefficiencies, and increasing customer service. However, the agreement is concerned about reports of prolonged delays in filling critical staffing vacancies, which have led to delays in the deployment of important conservation and commodity programs. The agreement reminds the Secretary that the detailed report required in the Explanatory Statement accompanying the fiscal year 2020 Consolidated Appropriations Act, which was due February 2020, regarding the FPAC Business Center's efficiencies gained, metrics, hiring plan, and potential reorganization, is overdue.

FARM SERVICE AGENCY

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $1,142,924,000 for Farm Service Agency (FSA), Salaries and Expenses. The agreement supports the mission of FSA and the important services that it provides across the country. The agreement is dedicated to ensuring FSA has reliable and functioning IT systems. The agreement does not accept the net decreases for information technology as proposed, and provides $20,400,000 for farmers.gov.

The agreement is concerned FSA did not adequately consider the urgent threat of drought in the Draft Programmatic Environmental Assessment. (PEA) for the Conservation Reserve Program. The agreement urges the Secretary to revise the PEA to allow dryland agriculture uses, with the adoption of best management practices, on land enrolled in the Conservation Reserve Enhancement Program (CREP). The agreement further directs the Secretary to submit a report to the Committees detailing a full analysis of the new CREP dryland agricultural uses authority and what dryland farming best management practices could do to make advancements to protect ground water and surface water quality and control soil erosion while enhancing wildlife habitat.

Concerns remain about staffing shortages at FSA offices. No later than 90 days from the enactment of this Act, the agreement directs the Secretary to submit a report to Congress with an administrative breakdown of allotment levels by State, current full-time equivalents, current on-board permanent employees by State, and funded ceiling levels by State.

The agreement recognizes the significant potential of the Acreage Crop Reporting Streamlining Initiative (ACRSI) to reduce the time and burden of Federal reporting requirements on farmers by allowing farmers to report data electronically and securely with both the Risk Management Agency and the Farm Service Agency to automatically pre-populate forms, eliminate redundant reporting, and increase data integrity. The agreement notes that USDA's prioritization of ACRSI has been inadequate and therefore directs the Under Secretary for Farm Production and Conservation to allocate all necessary resources to identify the software options necessary to ensure that ACRSI technology is adopted and deployed by the Risk Management Agency and the Farm Service Agency within 120 days of enactment of this Act.

The agreement strongly encourages the Secretary, within the total acreage made available for enrollment in the Conservation Reserve Program and without reducing the periodic availability of general signup, to enroll, to the maximum extent practicable, acreage for activities included in the State Acres for Wildlife Enhancement practice or other similar administratively established wetland and habitat practices that benefit priority fish and wildlife species identified in State, regional, and national conservation initiatives, prioritizing initiatives that provide large blocks of cover ideal for wildlife nesting.

The agreement reminds USDA that the joint explanatory statement accompanying Public Law 116–94 directed FSA to amend the existing regulations under 7 C.F.R. 1416 to ensure producers of farm-raised fish intended for human consumption are eligible to receive payments for death losses due to disease or avian predation within 180 days of enactment of that Act. The agreement expects FSA to carry out this congressional directive.

The agreement is concerned that the Department provided inaccurate estimates to Congress on the available unused funding for the National Organic Certification Cost-Share Program (OCCSP) during the development of the Agriculture Improvement Act of 2018 (Public Law 115–334). The overestimates have led to a funding gap that is leaving farmers with far less assistance for completing this expensive and essential step that is required to tap into the growing market for certified organic food in the United States. The agreement directs the Secretary to submit a report to the Committees on how it will resolve inconsistencies in supplying Congress with estimates on funding available for the OCCSP and other Farm Bill programs.

The agreement directs FSA to work with ranchers to tailor the Livestock Indemnity Program to address unique circumstances, such as panther depredation, which are currently preventing producers from receiving compensation for losses.

The following table reflects the agreement:

(Dollars in thousands)

Salaries and expenses	$1,142,924
Transfer from ACIF	294,114
Total, FSA Salaries and expenses	$1,437,038

STATE MEDIATION GRANTS

The agreement provides $6,914,000 for State Mediation Grants.

GRASSROOTS SOURCE WATER PROTECTION PROGRAM

The agreement provides $6,500,000 for the Grassroots Source Water Protection Program.

DAIRY INDEMNITY PROGRAM

(INCLUDING TRANSFER OF FUNDS)

The agreement provides such sums as may be necessary for the Dairy Indemnity Program.

The agreement is aware that a small number of dairy farms are unable to sell their milk as a result of contamination from a family of synthetic chemicals, collectively known as ''PFAS'' chemicals. The agreement notes that USDA's own research has shown that PFAS residues remain detectable in contaminated livestock even after an extended withdrawal period, which could result in potential human exposure. The agreement requires the Secretary to utilize the Dairy Indemnity Payment Program to purchase and remove PFAS contaminated cows from the market, rather than paying for prolonged and imprudent monthly production indemnities. The Secretary shall utilize the established, applicable Livestock Indemnity Program average fair market value price to compensate for PFAS contaminated cows at affected dairies.

AGRICULTURAL CREDIT INSURANCE FUND PROGRAM ACCOUNT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $9,858,176,000 for the ACIF program account.

The agreement includes $5,000,000 for Indian Highly Fractionated Land Loans and notes there are sufficient carryover balances to help meet demand. The agreement directs FSA to provide a report on the program's utilization and directs FSA to increase outreach to tribes and tribal members to improve the accessibility of the program.

The following table reflects the agreement:

(Dollars in thousands)

Loan Authorizations:	
Farm Ownership Loans:	
Direct	$2,500,000
Guaranteed	3,300,000
Subtotal, Farm Ownership Loans	5,800,000
Farm Operating Loans:	
Direct	1,633,333
Unsubsidized Guaranteed	2,118,482
Subtotal, Farm Operating Loans	3,751,815
Emergency Loans	37,668
Indian Tribe Land Acquisition Loans	20,000
Conservation Loans-Guaranteed	150,000
Relending Program	33,693
Indian Highly Fractionated Land	5,000
Boll Weevil Eradication	60,000
Total, Loan Authorizations	9,858,176
Loan Subsidies:	
Farm Operating Loan Subsidies:	
Direct	38,710
Unsubsidized Guaranteed	23,727
Subtotal, Farm Operating Subsidies	62,437
Emergency Loans	207
Relending Program	5,000
Indian Highly Fractionated Land	742
Total, Loan Subsidies	68,386
ACIF Expenses:.	
Salaries and Expenses	294,114
Administrative Expenses	13,230
Total, ACIF Expenses	$307,344

RISK MANAGEMENT AGENCY

SALARIES AND EXPENSES

The agreement provides $60,131,000 for the Risk Management Agency (RMA), Salaries and Expenses.

The agreement directs FSA and RMA, in consultation with relevant stakeholders, to study and update corn test weight discount tables to improve the accuracy of these discount factors.

The agreement directs RMA to provide flexibility to producers wishing to hay or graze cover crops on prevented planting acreage before November 1. The agreement further directs RMA to study alternatives to a nationwide haying and grazing date in order to avoid primary nesting and the potential impact of eliminating penalties for haying and grazing after the primary nesting season. RMA shall report the results of this study to the Committees no later than 180 days after enactment of this Act.

The agreement recognizes that crop insurance is a vital public-private partnership, however, additional education is needed for farmers with clear, comparative, and easy to understand information on the costs of selected crop insurance policies, the producer premium, and the Federal premium subsidy. The agreement directs the Secretary to work with crop insurance providers and agents to ensure that all farmers have access to that cost information on their policies in a transparent and easy to understand manner.

The agreement notes that the Agriculture Improvement Act of 2018 (Public Law 115–334) directed the Board of Directors of the Federal Crop Insurance Corporation to consider treating the different growth stages of aquaculture species as separate crops for the Whole Farm Diversified Risk Management Insurance Plan. RMA is directed to submit a report to the Committees regarding the steps taken by the Board to consider the feasibility of this proposed change to recognize the difference in perils at different phases of growth for aquaculture species.

NATURAL RESOURCES CONSERVATION SERVICE

CONSERVATION OPERATIONS

The agreement provides $832,727,000 for Natural Resources Conservation Service (NRCS), Conservation Operations.

The agreement provides $9,488,000 for the Snow Survey and Water Forecasting Program; $9,540,000 for the Plant Materials Centers; $79,444,000 for the Soil Surveys Program, of which $1,000,000 is for the ongoing Soil Health Initiative linking soil health and crop cover management; and $734,255,000 for Conservation Technical Assistance, of which $2,458,000 is for the Farmers.gov Customer Experience Portal program.

The agreement provides $3,754,000 to maintain relevant soil survey for all lands of the United States and territories, including Federal and Tribal lands, and encourages NRCS to consider including activities that study the impact grazing, wildfire, recreation, invasive species, and carbon sequestration have on the soil.

The agreement recognizes that improving soil health on agricultural lands is key to achieving both meaningful conservation and economic benefits for producers. The agreement notes the strong stakeholder interest in the new on-farm conservation innovation trials and the soil health demonstration trial. The Secretary is encouraged to dedicate more Conservation Technical Assistance to establish standard protocols for measuring and testing carbon levels to evaluate gains in soil health that will help producers to create positive economic, environmental, and social outcomes through ecosystem service markets. The agreement believes that additional Conservation Technical Assistance should be provided for healthy soil planning, soil carbon sequestration, and conservation activity planning.

The agreement is concerned about soil quality near watersheds such as the Great Lakes Basin, Salton Sea, Lake Okeechobee, and the Chesapeake Bay. The agreement directs NRCS to provide an analysis on the feasibility of evaluating outcomes of watershed and cropland projects implemented through the Conservation Effects Assessment Project. The analysis should include cost, timeframe, and any gaps in data that would prevent a thorough analysis.

The Secretary is encouraged to use mitigation with the conversion of a natural wetland and equivalent wetlands functions at a ratio which does not exceed 1-to-1 acreage.

The agreement directs NRCS to include the Mississippi River Basin, the Chesapeake Bay Watershed, Western Waters, Northeastern Forests and Waters, Prairie Grasslands, and Longleaf Pine Range States as priority areas for Critical Conservation Area funding under the Regional Conservation Partnership Program. The agreement encourages NRCS to leverage all possible resources to identify nutrient loss and reduce runoff to achieve the goals of the 2015 Gulf Hypoxia Action Plan. The agreement believes additional Conservation Technical Assistance is warranted in these Critical Conservation Areas to improve conservation planning capacity and achieve critical conservation goals.

The agreement is concerned about the severe and prolonged drought in the West and applauds the passage of the Colorado River Basin Drought Contingency Plans. The agreement notes the updates made by the Agriculture Improvement Act of 2018 to address water conservation and drought mitigation, including eligibility changes for water conservation and irrigation efficiency practices. The agreement expects NRCS to utilize all available opportunities to assist producers, states, irrigators, irrigation districts, and acequias in implementing areawide plans and critical innovative drought resiliency and mitigation efforts. In providing this assistance, the agreement further expects NRCS to prioritize support for implementation of Drought Contingency Plans, agreements, or programs that conserve surface or ground water, improve drought resiliency, and address current and anticipated conservation needs and severe drought-related resource concerns.

The agreement notes that Section 2304(e) of Public Law 115–334 allows acequias and land grant mercedes to apply directly to the Environmental Quality Incentives Program (EQIP). The agreement recognizes that there are hundreds of acequias and dozens of land grants in New Mexico that can now gain direct access to this important conservation program. The NRCS is urged to develop EQIP guidance that ensures timely input from local communities, including listening sessions with land grants and acequias.

The agreement directs NRCS to provide a report on actions it will take to eliminate program duplication as identified in Inspector General reports.

WATERSHED AND FLOOD PREVENTION OPERATIONS

The agreement provides $175,000,000 for Watershed and Flood Prevention Operations (WFPO).

The agreement directs the Secretary to provide greater flexibility to State Conservationists to utilize technical assistance dedicated for specific WFPO projects for administration and planning statewide for all WFPO projects.

The agreement is concerned about ongoing delays with some WFPO projects and the impact such delays have on local communities, especially those aimed at supplying drinking water to rural communities. Such delays can force undue costs on local communities that must find alternative temporary sources of water. The agreement urges the Secretary to address these issues and complete projects in a timely manner. The Secretary is encouraged to consider all costs related to the use of alternative water sources resulting from delays in project completion, as in-kind service eligible for credit as non-Federal contribution. In addition, the agreement directs the Secretary to report to the Committees on the status of all federally funded WFPO projects throughout the States and territories that remain unfinished or incomplete due to lack of funds.

WATERSHED REHABILITATION PROGRAM

The agreement provides $10,000,000 for the Watershed Rehabilitation Program.

CORPORATIONS

FEDERAL CROP INSURANCE CORPORATION FUND

The agreement provides such sums as may be necessary for the Federal Crop Insurance Corporation Fund.

COMMODITY CREDIT CORPORATION FUND

REIMBURSEMENT FOR NET REALIZED LOSSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides such sums as may be necessary for Reimbursement for Net Realized Losses of the Commodity Credit Corporation.

HAZARDOUS WASTE MANAGEMENT

(LIMITATION ON EXPENSES)

The agreement provides a limitation of $15,000,000 for Hazardous Waste Management.

TITLE III

RURAL DEVELOPMENT PROGRAMS

OFFICE OF THE UNDER SECRETARY FOR RURAL DEVELOPMENT

The agreement provides $812,000 for the Office of the Under Secretary for Rural Development.

The agreement provides $635,000,000 to support the ReConnect pilot program to increase access to broadband connectivity in unserved rural communities, and directs the Department to target grants and loans to areas of the country with the largest broadband coverage gaps. These projects should utilize technology that will maximize coverage of broadband with the most benefit to taxpayers and the rural communities served. The agreement notes stakeholder concerns that the ReConnect pilot does not effectively recognize the unique challenges and opportunities that different technologies, including satellite, provide to delivering broadband in noncontiguous States or mountainous terrain and is concerned that providing preference to 100mbps symmetrical service unfairly disadvantages these communities by limiting the deployment of other technologies capable of providing service to these areas. The ReConnect pilot is intended to be technology neutral and the Secretary is encouraged to reconsider awarding extra points to applicants from States without restrictions on broadband delivery by utilities service providers in order to ensure this criterion is not a determining factor for funding awards.

In addition, the Department is reminded to avoid efforts that could duplicate existing networks built by private investment or those built leveraging and utilizing other Federal programs and to coordinate with the National Telecommunications Information Administration and the Federal Communications Commission to ensure wherever possible that any funding provided to support deployment of last-mile broadband infrastructure is targeted to areas that are currently unserved.

Further, the Department is encouraged to prioritize projects financed through public-private partnerships and projects where Federal funding will not exceed 50 percent of the project's total cost.

The agreement also notes that in administering the ReConnect pilot program established by section 779 of division A of the Consolidated Appropriations Act, 2018 (Public Law 115–141), the Secretary of Agriculture shall, for purposes of determining entities eligible to receive assistance, allow entities of any structure, including partnerships or infrastructure applications, provided sufficient assurances are given that broadband services will be provided to the subject area through contractual arrangements. Additionally, the Department shall permit awardees flexibility to satisfy the terms of awards, including the deployment and operation of broadband facilities, through affiliates or other third parties, where doing so would facilitate completion of the funded projects, provided that the Federal interest in the funded facilities is adequately secured, whether through a lien, a letter of credit, a right to recoup payments (in the case of awardees the Secretary deems to be low-risk), or some alternate security.

ReConnect funding for service areas where High-Cost USF recipients under the CAF–II auction have buildout obligations of 25/3 Mbps or greater for fixed terrestrial broadband can only be requested by the entity that is receiving such USF support. Project sponsors that receive USF support in those areas may only apply for funds that serve those areas from the 100% loan funding category under the ReConnect Program. For purposes of clarification, this limitation on eligibility shall only apply to those areas (e.g., study areas or census blocks) for which the USF CAF–II recipient is subject to a buildout obligation of 25/3 Mbps or greater for fixed terrestrial broadband.

The Secretary is encouraged to support efforts to increase transparency and follow the notice and comment rulemaking procedures of the Administrative Procedure Act (Public Law 79–404) with respect to all program administration and activities, including publishing a written decision on RUS' website of how challenges were decided and the agency's reasons for such decision.

The Agriculture Improvement Act of 2018 (Public Law 115–334) included new authorities for rural broadband programs that garnered broad stakeholder support as well as bipartisan, bicameral agreement in Congress. Therefore, the Secretary is directed to provide a report on how the Department plans to utilize these authorities to deploy broadband connectivity to rural communities.

The agreement encourages the Department to consider the mission and scope of all program applicants, including community colleges, hospitals and other regional public service entities and their ability to effectively address rural depopulation struggles. These entities are often located in regional ''hub'' communities larger than the program population limits, yet without these critical services many of the surrounding smaller towns could not exist and prosper. The agreement encourages the Secretary to make grants and loans available to these institutions in order to serve rural areas.

The agreement provides $5,000,000 for the RISE grant program enacted as part of the Agriculture Improvement Act of 2018 (Public Law 115–334). These grants have the potential to help struggling communities by funding jobs accelerators in low-income rural areas. The agreement recommends funding be prioritized for entities leveraging next generation gigabit broadband service to promote entrepreneurship and entities based in geographical areas with established agriculture and technology sectors which are focused on the development of precision and autonomous agriculture technologies as a way to strengthen rural economies and create jobs.

RURAL DEVELOPMENT

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $264,024,000 for Rural Development, Salaries and Expenses. This amount includes $7,000,000 for transitioning to a modern platform for Single Family Direct Housing.

The agreement provides an increase of $2,000,000 for the Placemaking Initiative to expand or enhance cooperative agreements begun in fiscal year 2020. Awards should take advantage of current or future highspeed broadband investments from the Rural Utilities Service's ReConnect program. The three main areas of Rural Development should support such efforts to help create greater social and cultural vitality in these livable rural communities.

The agreement remains concerned about IT systems within Rural Development (RD) and still awaits the requested briefing about the status of the Comprehensive Loan Program. The agreement directs the Department to provide a comprehensive report on how RD plans to modernize Rural Development's aging technology systems, including a detailed cost breakdown for each system, the priority level, and the estimated timeline for completion within 120 days of enactment of this Act.

RURAL HOUSING SERVICE

RURAL HOUSING INSURANCE FUND PROGRAM ACCOUNT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides a total subsidy of $492,274,000 for activities under the Rural Housing Insurance Fund Program Account.

The Committees still await the multi-family housing preservation plan requested in S. Rept. 116–110 describing how the Department intends to preserve all viable Section 514 and 515 properties in the portfolio and direct the Department to submit this report immediately.

The agreement directs the Department to submit a report regarding the status and initial outcomes of the Section 502 Tribal relending program in South Dakota, including program structure, management, and general demographic information on the loan recipients.

The following table indicates loan, subsidy, and grant levels provided by the agreement:

(Dollars in thousands)

Loan authorizations:	
Single family housing (sec. 502)	
Direct	$1,000,000
Unsubsidized guaranteed	24,000,000
Housing repair (sec. 504)	28,000
Rental housing (sec. 515)	40,000
Multi-family guaranteed (sec. 538)	230,000
Site development loans (sec. 524)	5,000
Credit sales of acquired property	10,000
Self-help housing land development (sec. 523)	5,000
Farm labor housing	28,000
Total, Loan authorizations	$25,346,000
Loan subsidies, grants & administrative expenses:	
Single family housing (sec. 502)	
Direct	$55,400
Housing repair (sec. 504)	2,215
Rental housing (sec. 515)	6,688
Farm labor housing (sec. 514)	5,093
Site development loans (sec. 524)	355
Self-help land development (sec. 523)	269
Total, loan subsidies	70,020
Farm labor housing grants	10,000
Total, loan subsidies and grants	80,020
Administrative expenses (transfer to RD)	412,254
Total, Loan subsidies, grants, and administrative expenses	$492,274

RENTAL ASSISTANCE PROGRAM

The agreement provides $1,410,000,000 for the Rental Assistance Program.

The Secretary is encouraged to prioritize multi-family housing properties acquired by means of a section 515 loan within the current fiscal year when determining current rental assistance needs.

MULTI-FAMILY HOUSING REVITALIZATION PROGRAM ACCOUNT

The agreement provides $68,000,000 for the Multi-Family Housing Revitalization Program Account, including $40,000,000 to fully fund the rural housing voucher demand as estimated by USDA.

The Secretary is directed to provide a report within 120 days of enactment of this Act to estimate the cost of providing rural housing vouchers to all low-income households currently receiving USDA rental assistance and residing in a property financed with a Section 515 loan that are set to mature in the subsequent fiscal year and subsequent 10 fiscal years. In addition, the Secretary is directed to provide quarterly reports to the Committees on transfers between vouchers and the housing preservation demonstration program within the Multi-Family Housing Revitalization Program Account.

MUTUAL AND SELF-HELP HOUSING GRANTS

The agreement provides $31,000,000 for Mutual and Self-Help Housing Grants.

RURAL HOUSING ASSISTANCE GRANTS

The agreement provides $45,000,000 for Rural Housing Assistance Grants.

The following table reflects the grant levels provided by the agreement:

(Dollars in thousands)

Very low income housing repair grants	$30,000
Housing preservation grants	15,000
Total, grant program	$45,000

RURAL COMMUNITY FACILITIES PROGRAM ACCOUNT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $74,000,000 for the Rural Community Facilities Program Account.

The agreement notes that the Agriculture Improvement Act of 2018 established a selection priority under Community Facilities loans and grants for projects that combat substance use disorder in rural America. The statutory priority emphasizes prevention, treatment, and recovery, and the agreement encourages the Department to fund these community-based facilities. Additionally, the agreement recognizes that rural communities are particularly vulnerable to the impacts of natural disasters, including wildfires, tornadoes, floods, landslides, and other extreme weather events and that these communities often lack the resources necessary to prepare for and respond to these occurrences. The agreement also encourages the Secretary to consider projects that will enhance the ability of rural communities to recover from or prepare for a natural disaster.

The agreement directs USDA to provide a report on the Community Facilities Direct and Guaranteed Loan Programs that includes the number of approved and non-approved applications for fiscal years 2017–2020 within the North American Industry Classification System, and loan processing times with strategies to make the loan review process more efficient. The report shall be submitted within 180 days of enactment of this Act.

The following table reflects the loan, subsidy, and grant amounts provided by the agreement:

(Dollars in thousands)

Loan authorizations:	
CF direct loans	$2,800,000
CF guaranteed loans	500,000
Loan subsidies and grants:	
CF grants	32,000
Non-Conforming Subsidy	25,000
Rural Community Development Initiative	6,000
Economic Impact Initiative	6,000
Tribal college grants	5,000
Total, subsidy and grants	$74,000

RURAL BUSINESS—COOPERATIVE SERVICE

RURAL BUSINESS PROGRAM ACCOUNT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $56,400,000 for the Rural Business Program Account.

The agreement recognizes that strong partnerships exist between RD and Federal Regional Commissions and Authorities and encourages RD to coordinate with the Regional Commissions to promote efficiency during the grant planning and review process. Additionally, the agreement encourages RD to ensure flexible processes are available for each Regional Commission as appropriate.

The agreement encourages USDA to partner with States and other interested partners to build and refurbish food hub and food distribution centers that serve rural farmers but may be located in urban areas.

The agreement recognizes the dynamic nature of our rural coastal economies that are often economically diminished by the loss of natural resource-related jobs and have been the first to feel the negative effects of a changing climate. As new agriculture-related economic opportunities continue to present themselves to these rural communities, such as value-added seafood processing, the agreement encourages the use of Rural Business Development Grants in rural coastal communities to support innovation and job growth within all sectors, particularly in the case of public-private partnerships and cross-jurisdictional efforts.

The following table reflects the loan, subsidy, and grant levels provided by the agreement:

(Dollars in thousands)

Loan level:	
Business and industry guaranteed loans	$1,000,000
Loan subsidy and grants:	
Business and industry guaranteed loans	10,400
Rural business development grants	37,000
Delta Regional Authority/Appalachian Regional Commission/Northern Border Regional Commission	9,000
Total, Rural Business Program subsidy and grants	$56,400

INTERMEDIARY RELENDING PROGRAM FUND ACCOUNT

(INCLUDING TRANSFER OF FUNDS)

The agreement provides $7,407,000 for the Intermediary Relending Program Fund Account.

The following table reflects the loan and subsidy levels provided by the agreement:

(Dollars in thousands)

Loan level:	
Estimated loan level	$18,889
Subsidies and administrative expenses:	
Direct loan subsidy level	2,939
Administrative expenses	4,468
Subtotal, subsidies and administrative expenses	$7,407

RURAL ECONOMIC DEVELOPMENT LOANS PROGRAM ACCOUNT

The agreement provides $50,000,000 for the Rural Economic Development Loans Program Account.

RURAL COOPERATIVE DEVELOPMENT GRANTS

The agreement provides $26,600,000 for Rural Cooperative Development Grants. Of the amounts made available, $3,000,000 is for Agriculture Innovation Centers, $12,000,000 is for the Value-Added Producer Grant Program, and $2,800,000 is for the Appropriate Technology Transfer for Rural Areas Program.

The agreement encourages funding for the Agriculture Innovation Centers to prioritize previously-hosted USDA Agriculture Innovation Centers where the State continues to demonstrate support and provide non-Federal grant funding to producers developing, producing, and marketing value-added agricultural and food products. Prior year or current grant awardees shall be eligible for these funds.

The agreement requests that the Department submit a report within 90 days of enactment of this Act on implementation of Section 6306 of the Agriculture Improvement Act of 2018 (Public Law 115–334), including a projected timeline for full implementation of this provision.

The agreement recognizes the importance of economic development in rural communities and the unique challenges to business growth in these areas. The agreement directs USDA to evaluate the feasibility of awarding multi-year Rural Business Development Grants and to report to Congress within 1 year of enactment of this Act on the barriers to implementing such a proposal.

The agreement directs that Value-Added Producer Grants be prioritized to support the production of value-added agricultural products referenced in S. Rept. 116–110 with significant potential to expand production and processing in the United States.

RURAL MICROENTREPRENEUR PROGRAM

The agreement provides $6,000,000 for the Rural Microentrepreneur Program.

RURAL ENERGY FOR AMERICA PROGRAM

The agreement provides $392,000 for the Rural Energy for America Program.

RURAL UTILITIES SERVICE

RURAL WATER AND WASTE DISPOSAL PROGRAM ACCOUNT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $621,567,000 for the Rural Water and Waste Disposal Program Account; including $68,000,000 for water and waste disposal systems grants for Native Americans, including Native Alaskans, and the Colonias. The agreement recognizes the special needs and problems for delivery of basic services to these populations and encourages the Secretary to distribute these funds in line with the fiscal year 2014 distribution to the degree practicable.

The following table reflects the loan, subsidy, and grant levels provided by the agreement:

(Dollars in thousands)

Loan authorizations:	
Water and waste direct loans	$1,400,000
Water and waste guaranteed loans	50,000
Subsidies and grants:	
Water and waste direct loan subsidy	– – –
Guaranteed loan subsidy	60
Water and waste revolving fund	1,000
Water well system grants	5,000
Grants for Colonias, Native Americans, and Alaska Native Villages	68,000
Water and waste technical assistance grants	35,000
Circuit Rider program	20,157
Solid waste management grants	4,000
High energy cost grants	10,000
Water and waste disposal grants	463,350
306A(i)(2) grants	15,000
Total, subsidies and grants	$621,567

RURAL ELECTRIFICATION AND TELECOMMUNICATIONS LOANS PROGRAM ACCOUNT

(INCLUDING TRANSFER OF FUNDS)

The agreement provides $35,547,000 for activities under the Rural Electrification and Telecommunications Loans Program Account.

The following table indicates loan levels provided by the agreement:

(Dollars in thousands)

Loan authorizations:	
Electric:	
Direct, FFB	$5,500,000
Guaranteed underwriting	750,000
Subtotal, electric	6,250,000
Telecommunications:	
Direct, treasury rate	345,000
Direct, FFB	345,000
Loan subsidy:	
Direct, treasury rate	2,277
Total, loan authorizations	6,940,000
Administrative expenses	33,270
Total, budget authority	$35,547

DISTANCE LEARNING, TELEMEDICINE, AND BROADBAND PROGRAM

The agreement provides $97,000,000 for the Distance Learning, Telemedicine, and Broadband Program.

The agreement requests an update on the status of implementation of the recommendations published in the Government Accountability Office (GAO) report GAO–18–682 within 90 days of enactment of this Act.

States with challenging, mountainous terrain incur higher costs when it comes to broadband deployment and the agreement encourages the Secretary to factor this in when evaluating Community Connect Program funding.

The following table indicates loan levels provided by the agreement:

(Dollars in thousands)

Loan authorizations:	
Broadband telecommunications	$11,869
Total, loan authorization	11,869
Subsidy and grants:	
Distance learning and telemedicine grants	60,000
Broadband telecommunications program:	
Direct (treasury rate loans)	2,000
Grants	35,000
Total, subsidies and grants	$97,000

TITLE IV DOMESTIC FOOD PROGRAMS

OFFICE OF THE UNDER SECRETARY FOR FOOD, NUTRITION, AND CONSUMER SERVICES

The agreement provides $809,000 for the Office of the Under Secretary for Food, Nutrition, and Consumer Services.

The agreement directs USDA to determine ways to streamline the application process for organizations participating in both the Summer Food Service Program and the Child and Adult Care Food Program to reduce the administrative burden for providers. USDA is directed to consider allowing organizations in good standing for 3 years participating in both programs to file only one application to administer both programs each year and to provide a report on steps taken to address this issue, including any additional streamlining actions the agency would recommend but lacks the authority to execute.

The agreement encourages the Secretary to incorporate and utilize tribally-raised bison meat into Tribal food distribution programs to address the health concerns of American Indians.

The agreement strongly encourages FNS to continue to work closely with relevant stakeholders in States with frontier communities to support locally-designed initiatives to increase food security, help communities adapt to changing growing conditions, provide opportunities for economic development, and develop capacity to grow more food locally. The agreement directs FNS to

collaborate with AMS in implementing Micro-Grants for Food Security.

The agreement is concerned about the effects specific changes in SNAP eligibility can have on children, seniors, individuals with disabilities, and rural and poor communities. The Secretary is encouraged to include these State-by-State demographic profiles in the regulatory impact analysis for any newly proposed or currently pending eligibility criteria changes.

FOOD AND NUTRITION SERVICE

CHILD NUTRITION PROGRAMS

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $25,118,440,000 for Child Nutrition Programs, including $1,000,000 in Team Nutrition to help schools meet the sodium reduction targets.

The agreement recognizes the highly nutritious value of pulse crops for children and encourages FNS to support school food authorities in sourcing and serving pulse crops to build greater awareness of the number and variety of pulse crop products and pulse ingredients available.

The agreement recognizes the benefits the Summer Electronic Benefits Transfer (EBT) program has had on reducing childhood hunger. The agreement provides an increase of $7,000,000 and directs the Department to expand the program into new areas. Further, the agreement directs the Secretary to also fund the program in the same manner and same States and tribal organizations as were funded in fiscal year 2020. The agreement also encourages the Secretary to prioritize Summer EBT projects through the SNAP model.

Since the scope of some Farm to School projects has expanded in recent years, the agreement provides an increase of $3,000,000 and has included language to allow maximum grant amounts to increase to $500,000. Of the grant funds provided, the agreement directs the Secretary to use $500,000 to form at least one cooperative agreement with an established entity, such as a regional Farm to School institute, for the creation and dissemination of information on farm to school program development and to provide practitioner education, training, ongoing school year coaching, and technical assistance.

The agreement remains concerned with the practice of lunch shaming and reminds the Secretary of the directive from fiscal year 2020 to provide guidance to program operators to address this ongoing issue. Such guidance should include identifying approaches that protect children from public embarrassment, encouraging all communications about unpaid school lunch fees be directed to the parent or guardian, and encouraging schools to take steps to ensure all students who qualify for free and reduced meals are efficiently enrolled to receive them.

Of the $485,000,000 appropriated for Child Nutrition Programs Entitlement Commodities under Section 714 of this Act, $20,000,000 shall be proportionally offered to States based on the number of breakfasts served in the preceding school year.

The agreement directs USDA to submit a report within one year of enactment of this Act describing the number of Summer Food Service Program grantees, the States in which they operate, the innovative methods of food delivery by non-congregate means and in non-congregate settings, the innovative methods used, and the number of additional youth served as a result.

The agreement provides the following for Child Nutrition Programs:

TOTAL OBLIGATIONAL AUTHORITY

(Dollars in thousands)

School lunch program	$13,539,797
School breakfast program	5,039,086
Child and adult care food program	4,015,116
Summer food service program	551,944
Special milk program	7,309
State administrative expenses	317,044
Commodity procurement	1,460,769
Team Nutrition	18,004
Food safety education	2,988
Coordinated review	10,000
Computer support and processing	19,366
CACFP training and technical assistance	34,214
Child Nutrition Program studies and evaluations	15,299
Child Nutrition payment accuracy	11,427
Farm to school tactical team	4,077
School meals equipment grants	30,000
Summer EBT demonstration	42,000
Total	$25,118,440

SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN (WIC)

The agreement provides $6,000,000,000 for the Special Supplemental Food Program for Women, Infants, and Children, which fully funds anticipated participation for fiscal year 2021. The agreement provides $90,000,000 for the breastfeeding peer counselor program and $14,000,000 for infrastructure.

The agreement encourages USDA to collaborate with the Department of Health and Human Services on the development of uniform, evidence-based nutrition education materials in order to best serve WIC-eligible pregnant women and caregivers to infants impacted by Neonatal Abstinence Syndrome.

The work of the National Academies of Science (NAS) to review and make recommendations for updating the WIC food packages to reflect current science and cultural factors is recognized. The agreement notes, however, that while all revised packages now allow some fish, the amounts remain low compared to the recommendations of other authoritative health agencies. The agreement strongly encourages the Department to consider the health and cultural benefits of fish consumption as the NAS recommendations are reviewed and used to inform the Department's next course of action. The agreement also strongly encourages the Department to continue to allow states to submit cultural food package proposals to respond to the cultural preferences of WIC participants in states like Alaska.

The agreement is aware that Federal law requires State agencies administering WIC to keep a list of authorized WIC wholesalers, distributors, retailers, and manufacturers and requires that vendors only purchase infant formula from that list of authorized suppliers. The agreement is concerned that some State agencies may not adequately audit distributors and retailers. Therefore, the agreement directs FNS to develop and disseminate a best practices document for State agencies to increase enforcement of the authorized supplier purchase requirements.

SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM

The agreement provides $114,035,578,000 for the Supplemental Nutrition Assistance Program (SNAP).

The agreement encourages FNS, in collaboration with AMS, to provide information to the FDPIR community on how tribal vendors can sell foods to USDA for use in food distribution programs. The Secretary is directed to notify the Committees of the Department's efforts to engage tribes in the demonstration program and tribal participation in fiscal year 2020. The agreement further directs the Department to provide a report detailing its plans to increase the amount and variety of traditional foods included in FDPIR food baskets; its plans to identify additional Native American and Alaska Native producers of traditional foods, including wild salmon, caribou, reindeer, elk, and other foods; and its plans to purchase additional traditional foods from a greater number of indigenous producers and businesses.

The agreement directs the Secretary to continue reviewing and evaluating the verification process of earned income at certification and recertification of applicant households for the SNAP program using electronic data matching. The agreement provides $5,000,000 for continued implementation of the National Accuracy Clearinghouse (NAC) and strongly urges the Department to move forward with the NAC to prevent duplicative issuances of SNAP benefits and improve program integrity. The agreement requests an update on the progress of the NAC within 60 days of enactment of this Act.

The agreement directs FNS to provide an update on the implementation of controls to address the reconciliation of data discrepancies across administration systems and retailers that provide benefits to individuals using fraudulent credentials, as well as data demonstrating whether the controls have reduced error rates.

The Department is reminded that SNAP funding is not to be used in contravention of section 107(b) of Division A of the Victims of Trafficking and Violence Protection Act of 2000 (114 Stat. 1475; 22 U.S.C. 7105(b)).

The agreement provides the following for SNAP:

TOTAL OBLIGATIONAL AUTHORITY

(Dollars in thousands)

Benefits	$101,795,982
Contingency reserve	3,000,000
Administrative costs:	
State administrative costs	5,313,427
Nutrition Education and Obesity Prevention Grant Program	448,000
Employment and Training	625,778
Mandatory other program costs	278,934
Discretionary other program costs	998
Administrative subtotal	6,667,137
Nutrition Assistance for Puerto Rico (NAP)	2,037,976
American Samoa	8,185
Food Distribution Program on Indian Reservations	162,150
TEFAP commodities	342,000
Commonwealth of the Northern Mariana Islands	12,148
Community Food Projects	5,000
Program access	5,000
Subtotal	2,572,459
Total	$114,035,578

COMMODITY ASSISTANCE PROGRAM

The agreement provides $426,700,000 for the Commodity Assistance Program.

The agreement provides $325,000,000 for the Commodity Supplemental Food Program. The agreement also provides $21,000,000 for the Farmers' Market Nutrition Program and directs the Secretary to obligate these funds within 45 days of enactment of this Act. The agreement maintains the fiscal year 2020 level of $79,630,000 for administrative funding for the Emergency Food Assistance Program (TEFAP). The agreement encourages the Secretary to identify opportunities for increasing the supply of TEFAP commodities through bonus and specialty crop purchases. The Department shall make available to the States domestically produced catfish fillets for distribution to local agencies.

NUTRITION PROGRAMS ADMINISTRATION

The agreement provides $156,805,000 for Nutrition Programs Administration.

The agreement continues to be interested in the decision-making process leading up to the development of the 2020 Dietary Guidelines for Americans. The agreement is especially interested to know if USDA considered

in their decision-making the recommendations included in the National Academy of Sciences, Engineering, and Medicine September 2017 report entitled ''Redesigning the Process for Establishing the Dietary Guidelines for Americans''. It is imperative that these guidelines and future guidelines be based upon strong and balanced science as well as focused on providing consumers with dietary and nutritional information that will assist them in eating a healthy and balanced diet. Section 796 describes the requirements of a study to be conducted by the National Academy of Sciences, Engineering, and Medicine within a year of enactment of this Act. The agreement provides a one-time increase of $1,000,000 for this review and corresponding report.

TITLE V

FOREIGN ASSISTANCE AND RELATED PROGRAMS

OFFICE OF THE UNDER SECRETARY FOR TRADE AND FOREIGN AGRICULTURAL AFFAIRS

The agreement provides $887,000 for the Office of the Under Secretary for Trade and Foreign Agricultural Affairs.

The agreement directs the Department to publish an annual report describing the recipients of funds, including the quantity and specific uses of such funding awards, granted through the Market Access Program and the Foreign Market Development Program for the purpose of promoting agricultural sales, to ensure compliance with Section 3201 of Public Law 115–334.

The Secretary is directed to publish a report on the nutrition outcomes achieved over the past 12 months by the McGovern-Dole International Food for Education and Child Nutrition Program and the Food for Peace Title II program. The report should be publicly available and track progress towards global targets on stunting, wasting, anemia, and breastfeeding.

OFFICE OF CODEX ALIMENTARIUS

The agreement provides $4,805,000 for the Office of Codex Alimentarius.

FOREIGN AGRICULTURAL SERVICE

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $221,835,000 for the Foreign Agricultural Service, Salaries and Expenses and a transfer of $6,063,000.

The agreement provides increases of $1,540,000 for International Cooperative Administrative Support Services, $258,000 for Capital Security Cost Sharing, $2,500,000 for locally employed staff, $727,000 for rightsizing, and $1,297,000 for pay costs and retirement contributions. The agreement also continues to fully fund the Borlaug Fellows Program and the Cochran Fellowship Program.

The agreement notes that last year's H.Rpt. 116–107 directed USDA to provide a briefing on how USDA can maximize its participation in the John Ogonowski and Doug Bereuter Farmer-to-Farmer program (Farmer-to-Farmer). Due to the lack of such information provided to the Committees, the agreement directs USDA to provide a follow-up brief which would include a list of recommendations for how to enhance its participation in Farmer-to-Farmer, including a discussion of how Farmer-to-Farmer can work collaboratively with other USDA-funded programs such as 4–H, the Cooperative Extension System, the McGovern-Dole International Food for Education and Child Nutrition Program, and other government agencies such as U.S. Fish and Wildlife Service.

The agreement is aware that the lack of comprehensive cold food chain systems is one of the main causes of food loss and results in a significant percentage of food spoilage from farm-to-market. Preventing food loss and implementing a robust cold food chain results in substantial benefits such as increased nutrition, a safer food supply, greater economic opportunity, increased resilience, and improved agricultural productivity. The agreement encourages the Department to give strong consideration to the use of cold chain technologies and include the development of appropriate cooling technologies in programs, policies, and strategic plans aimed at hunger prevention and food security in developing agricultural markets.

FOOD FOR PEACE TITLE I DIRECT CREDIT AND FOOD FOR PROGRESS PROGRAM ACCOUNT

(INCLUDING TRANSFER OF FUNDS)

The agreement provides $112,000 for administrative expenses for the Food for Peace Title I Direct Credit and Food for Progress Program Account to be transferred to and merged with the appropriation for ''Farm Production and Conservation Business Center, Salaries and Expenses''.

FOOD FOR PEACE TITLE II GRANTS

The agreement provides $1,740,000,000 for Food for Peace Title II Grants.

MCGOVERN-DOLE INTERNATIONAL FOOD FOR EDUCATION AND CHILD NUTRITION PROGRAM GRANTS

The agreement provides $230,000,000 for the McGovern-Dole International Food for Education and Child Nutrition Program.

COMMODITY CREDIT CORPORATION EXPORT (LOANS)

CREDIT GUARANTEE PROGRAM ACCOUNT

(INCLUDING TRANSFERS OF FUNDS)

The agreement provides $6,381,000 for the Commodity Credit Corporation Export (Loans) Credit Guarantee Program Account.

TITLE VI

RELATED AGENCY AND FOOD AND DRUG ADMINISTRATION

DEPARTMENT OF HEALTH AND HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION

SALARIES AND EXPENSES

The agreement provides $3,201,928,000 in discretionary budget authority and $2,674,097,000 in definite user fees for a total of $5,876,025,000 for Food and Drug Administration (FDA), Salaries and Expenses. This total does not include permanent, indefinite user fees for: the Mammography Quality Standards Act; Color Certification; Export Certification; Priority Review Vouchers Pediatric Disease; Food and Feed Recall; Food Reinspection; Voluntary Qualified Importer Program; the Third Party Auditor Program; Outsourcing Facility; and Over-the-Counter Monograph.

The agreement expects FDA to continue all programs, projects, activities, and laboratories, as included in fiscal year 2020 unless otherwise specified, and maintains the $1,500,000 transfer to the Health and Human Services' Inspector General for its audit and oversight work involving FDA.

The agreement provides a net increase of $42,250,000, of which $22,000,000 is for medical product safety, $15,250,000 is for food safety activities and $8,000,000 is for cross cutting initiatives supporting both medical and food safety. The agreement also assumes savings of $3,000,000 from the one-time, fiscal year 2020 appropriation of $5,000,000 for the machine learning pilot program.

Within the increases provided for medical product safety, the agreement includes $9,000,000 for Transforming Medical Device Safety, Cybersecurity, Review, and Innovation; $5,000,000 for Modernizing Influenza Vaccines; $3,500,000 for Foreign Unannounced Human Drug Inspection Pilots; $2,500,000 for Rare Cancer Therapeutics; and, $2,000,000 for Drug Compounding.

Within the increases provided for food safety activities, the agreement provides $5,000,000 for Regulatory Activities Associated with Cannabis and Cannabis Derivatives; $6,000,000 for a Shrimp Import Inspection Pilot Program; $1,250,000 for Allergen Labeling; $1,000,000 for Strengthening Foodborne Outbreak Activities; $1,000,000 for Cosmetics; and, $1,000,000 for the National Antimicrobial Resistance Monitoring System.

Within the increases for Crosscutting, Agency-wide support initiatives, the agreement provides $7,000,000 for Artificial Intelligence activities, and $1,000,000 for the Office of the Chief Counsel.

The agreement is concerned that the recent FDA Draft Guidance for Industry on Voluntary Disclosure of Sesame is insufficient to protect Americans with sesame allergy, and directs FDA to consider further action to require sesame to be labeled the same as other major allergens.

The agreement encourages FDA to work with the Type 1 diabetes community on the assessment of potential diabetes biomarkers related to islet autoimmunity, which might help inform the design of clinical studies.

As previously noted, the agreement provides $5,000,000 to support regulatory activities, including developing policy, and for FDA to continue to perform its existing regulatory responsibilities, including review of product applications, inspections, enforcement, and targeted research for cannabis-derived substances, such as cannabidiol (CBD). To provide more clarity to industry and the public, FDA is directed to work with OMB on issuing policy guidance in a timely manner regarding enforcement discretion.µ When appropriate, FDA is encouraged to ensure that any future regulatory activity does not discourage the development of new drugs. The agreement also encourages FDA to partner with an academic institution to expand sampling studies of CBD products currently on the market.

The agreement is concerned about the proliferation of products marketed using standards of identity for dairy products that do not contain dairy ingredients. The agreement directs FDA to provide clarity around the appropriate naming of plant-based dairy alternatives and report to the Committees within 90 days of enactment of this Act on steps taken to enforce against such alternatives.

The agreement supports ongoing collaborations between the medical product centers related to the development of treatments for neurodegenerative diseases, including public outreach efforts and the development of policy, guidance, and educational training that is consistent across centers and aligns policy guidance with agency actions. FDA is directed to provide a briefing updating the Committees on efforts to date and plans for future collaborations within the agency and with external stakeholders to combat neurodegenerative diseases.

The agreement notes that imported human food continues to have higher pesticide violation rates than domestically produced food and directs FDA to continue to partner with State inspection services and develop emerging technologies to enhance the imported food sampling efforts. Additionally, the agreement encourages FDA to work with partners such as the U.S. International Trade Commission to conduct a multi-year data review to better identify imported food samples that are more likely to have pesticide violations to assess whether giving special attention to certain imported products with significantly higher rates of violations compared to domestic products would change the planning of the pesticide sampling plan for future years.

The agreement remains concerned about potential consumer confusion over FDA nutritional labeling requirements and guidelines for added sugar for single ingredient products like maple syrup and honey, where sugar is naturally occurring in the product rather than added to the product. The agreement notes that FDA issued guidance to the industry on June 18, 2019, to verify that the phrase ''added sugar'' is not required in the regulated portion of the nutrition facts label for these products. This guidance instructed producers that the percent daily value would be required to appear on the label and allowed for the voluntary use of a footnote to explain that this refers to a percent daily value of ''added sugar.'' The agreement is concerned that continued use of the term ''added sugar'' in relation to percent daily value will mislead consumers to think that sugar has been added to a pure single-ingredient maple or honey product. Not later than 60 days after the enactment of this Act, the Commissioner shall submit to the Committees a report updating FDA's June 18, 2019, guidance to the industry regarding the ''Declaration of Added Sugars on Honey, Maple Syrup, Other Single-Ingredient Sugars and Syrups, and Certain Cranberry Products''. The report shall include multiple examples of factual and non-misleading statements describing the applicable percent daily value of sugar added to one's diet that can be used by producers and processors of honey, maple syrup, other single-ingredient sugars and syrups, and certain cranberry products as optional explanatory statements to inform consumers of the meaning of this component of the nutrition facts panel.

The agreement is aware of the important contribution of the FDA Center for Food Safety and Applied Nutrition Centers of Excellence (COEs) program in supporting critical basic research as well as facilitating Food Safety Modernization Act (FSMA) implementation. The agreement encourages FDA to continue to fully utilize the COE's.

The agreement notes the challenges associated with the approval of complex generics and directs FDA to provide an update on the agency's effort to expedite the approval of these products.

The agreement directs FDA to provide a briefing on the development of the 503B Bulks List and regulation of devices intended for corneal crosslinking procedures.

The agreement directs FDA to continue working with small farms to clarify requirements for FSMA compliance. The agreement urges FDA to provide guidance, offer technical assistance, and provide other resources to assist small farms with compliance.

The agreement is aware that some States that have entered into cooperative agreements under the State Produce Implementation Cooperative Agreement Program are considering changing the State agency responsible for implementing these agreements. FDA is directed to work with any State that designates a new implementing agency to ensure it can continue to receive funding under existing cooperative agreements without delay or loss of funding.

The agreement encourages FDA to work diligently to include no less than two members with an expertise in the indication the drug is intended to treat or other relevant rare diseases on each Advisory Committee when that Committee is reviewing a drug that has been designated as an Orphan Drug, and report the percentage of recommendations made by Advisory Committees with respect to orphan drugs that include at least two members with expertise in the indication the drug is intended to treat or other relevant rare diseases.

The agreement encourages FDA to work with glass packaging suppliers and pharmaceutical manufacturers to evaluate and promote streamlined approval requirements designed to expedite the adoption and use of innovative glass packaging technologies with the capacity to improve product quality, reduce product recalls, reduce drug shortages, and protect public health. Such streamlined approval requirements should address stability testing and other relevant types of data to be submitted in support of product approval.

The agreement recognizes the increased capabilities that FDA has developed to study environment, health, and safety of nanomaterials within FDA's Jefferson Laboratory Campus, including the National Center for Toxicological Research, and its consolidated headquarters at White Oak, Maryland, and expects FDA to continue to support collaborative research with universities and industry on the toxicology of nanotechnology products and processes in accordance with the National Nanotechnology Initiative Environment, Health, and Safety Research Strategy, as updated in October 2011.

The agreement remains deeply concerned about the opioid epidemic that has taken the lives of thousands of Americans and continues to support FDA's investments into International Mail Facilities to stop drugs from entering the United States. The agreement directs FDA to comply with Section 3001 of the SUPPORT Act (Public Law 115–271). The agreement continues to direct FDA to refer any drug application for an opioid to an advisory committee for their recommendations prior to approval, unless FDA finds that holding such committee is not in the interest of protecting and promoting public health. The agreement also directs FDA to comply with Section 3032 of the SUPPORT Act and encourages the agency to continue to monitor the effectiveness of existing Opioid Analgesic Risk Evaluation and Mitigations Strategy to determine whether further modifications are necessary.

The agreement notes that FDA is implementing policies to promote public access to information about how patient experience information is factored into the review of approved products, and encourages FDA to continue refining the instrument and ways to improve its visibility and requests an update on the status of such efforts. FDA is expected to provide an update on its efforts to include patient-experience information in relevant labeling and accompanying documentation to inform patient/provider decision-making.

FDA is directed to provide an update on the investigation it is undertaking regarding canine dilated cardiomyopathy (DCM) and the manner in which it has released information to the public. The update shall include: the case definition FDA uses to include or exclude cases and the scientific work ongoing at the agency and with collaborating partners for identifying a causation of DCM; how FDA distinguishes cases of DCM due to genetic predisposition in certain breeds; how the agency plans to work with pet food companies and the veterinary cardiology community during the investigation; and the timing and nature of any future public reporting.

The agreement is aware of concerns with the ongoing presence of PFAS chemicals in food packaging entering the stream of commerce. The agreement directs FDA to review any new scientific information pertaining to PFAS chemicals and determine whether food packaging continues to meet the safety standards of a reasonable certainty of no harm under intended conditions of use.

The routine usage of five or more prescription medications within the same period is becoming increasingly prevalent among older adults, elevating risk factors for drug-drug interactions and adverse events. Therefore the agreement encourages FDA to assess potential impacts of polypharmacy.

The agreement supports the agency's work to promote the domestic manufacturing of drug and biological products and encourages FDA to increase its effort to encourage the pharmaceutical industry to adopt advanced manufacturing technologies.µ The agreement directs FDA to brief the Committees, within 90 days of enactment, on its efforts to promote advanced manufacturing technologies.

The agreement directs FDA to submit a financial report to the Committees within 120 days of enactment of this Act, to be made publicly available online, with respect to tobacco product user fees and their use to fund programs and activities related to regulating tobacco products within FDA.

The agreement encourages FDA to continue to invest in the science base for regulatory decisions on botanical dietary supplements.

The agreement encourages FDA to continue to develop the necessary policy to advance the use of Decentralized Trials while still maintaining quality data necessary for FDA approval.

The agreement recommends FDA coordinate with Customs and Border Protection's honey import testing program to detect economically motivated adulteration in imported honey and take appropriate enforcement actions, which may include the issuance of import alerts if appropriate. The agreement further recommends that FDA consult with domestic honey producers on its testing program and provide a report on its progress on economically motivated adulteration testing of honey imports not later than September 30, 2021.

The SUPPORT Act (Public Law 115–271) granted FDA new authority to require special packaging for opioids and other drugs that pose a risk of abuse or overdose. The agreement acknowledges FDA's request for information on requiring fixed-quantity blister packaging for certain opioids and urges the agency to finalize this requirement to promote safe opioid handling and reduce the risk of unintentional ingestion.

The agreement encourages FDA to continue to work with partners to use Real World Evidence (RWE) to help evaluate vaccine safety and effectiveness in the postmarket setting and to further consider how RWE can be included in product labels and promotional materials.

The agreement urges FDA to complete the single laboratory validation of the liquid chromatography mass spectrometry-based (LC–MS) method for detecting brevetoxins association with neurotoxic shellfish poisoning in molluscan shellfish, and encourages the agency to work with the Interstate Shellfish Sanitation Conference to adopt FDA's proposal for the LC–MS method for brevetoxin testing of shellfish as an Approved Method under the National Shellfish Sanitation Program.

The agreement is aware of the public health challenge related to the naturally occurring bacteria called Vibrio parahaemolyticus. The agreement encourages FDA to focus resources into Vibrio illnesses associated with the consumption of raw molluscan shellfish, improve risk assessment models, and develop improved rapid detection methods for virulent Vibrio strains.

FDA's growing staff will require the General Services Administration (GSA) to lease additional office locations until GSA can implement the 2018 Federal Research Master Plan for the White Oak Campus. FDA and GSA should consider the effect of local travel on staff productivity, adjacency to existing FDA locations, and the cost of lost productivity when evaluating the costs of lease proposals.

The agreement provides specific amounts by Food and Drug Administration activity as reflected in the following table:

FOOD AND DRUG ADMINISTRATION SALARIES & EXPENSES

(Dollars in thousands)

Budget Authority:	
Foods	$1,099,160
Center for Food Safety and Applied Nutrition	343,789
Field Activities	755,371
Human Drugs	689,195
Center for Drug Evaluation and Research	510,226
Field Activities	178,969
Biologics	254,138
Center for Biologics Evaluation and Research	212,132
Field Activities	42,006
Animal Drugs and Feeds	192,369
Center for Veterinary Medicine	123,599
Field Activities	68,770
Devices and Radiological Products	408,108
Center for Devices and Radiological Health	323,103
Field Activities	85,005
National Center for Toxicological Research	66,712
Other Activities/Office of the Commissioner	194,951
White Oak Consolidation	45,914
Other Rent and Rent Related Activities	84,262
GSA Rent	167,119
Subtotal, Budget Authority	3,201,928
User Fees:	
Prescription Drug User Fee Act	1,107,199
Medical Device User Fee and Modernization Act	236,059
Human Generic Drug User Fee Act	520,208
Biosimilar User Fee Act	42,494
Animal Drug User Fee Act	33,340
Animal Generic Drug User Fee Act	22,797
Tobacco Product User Fees	712,000
Subtotal, User Fees	2,674,097
Total, FDA Program Level	$5,876,025

BUILDINGS AND FACILITIES

The agreement provides $12,788,000 for the Food and Drug Administration Buildings and Facilities.

The agreement notes that several FDA-owned facilities need significant renovations and repairs and that FDA assesses the condition of all owned facilities by updating its Backlog of Maintenance and Repair.µ FDA is directed to annually provide a prioritized list of projects to improve the condition of FDA-owned facilities that have renovation and repair needs.µ FDA is further directed to annually provide a prioritized list of projects to implement the Jefferson Labs Complex Master Plan (MP), and upon its completion, to annually provide a prioritized list of projects to implement the MP for the Muirkirk Road location.

FDA INNOVATION ACCOUNT, CURES ACT

(INCLUDING TRANSFER OF FUNDS)

The agreement provides $70,000,000 for FDA as authorized in the 21st Century Cures Act.

INDEPENDENT AGENCY

FARM CREDIT ADMINISTRATION

LIMITATION ON ADMINISTRATIVE EXPENSES

The agreement includes a limitation of $80,400,000 on administrative expenses of the Farm Credit Administration (FCA).

The agreement notes concern with the FCA final rule on eligibility criteria for outside directors. The rule could adversely impact rural institutions as well as those already serving in outside director positions. The agreement encourages FCA to pause to take all comments into consideration since the rule was initially approved by the Board of Directors and to address these concerns.

The agreement recognizes the growing interest for U.S. hemp and hemp-based products for a variety of uses and directs FCA to work with the institutions under its jurisdiction to provide access to guaranteed loans for hemp producers and businesses.

TITLE VII

GENERAL PROVISIONS

(INCLUDING RESCISSIONS AND TRANSFERS OF FUNDS)

Section 701.—The bill includes language regarding motor vehicles.

Section 702.—The bill includes language regarding the Working Capital Fund of the Department of Agriculture.

Section 703.—The bill includes language limiting funding provided in the bill to one year unless otherwise specified.

Section 704.—The bill includes language regarding indirect cost share.

Section 705.—The bill includes language regarding the availability of loan funds in Rural Development programs.

Section 706.—The bill includes language regarding new information technology systems.

Section 707.—The bill includes language regarding fund availability in the Agriculture Management Assistance program.

Section 708.—The bill includes language regarding Rural Utilities Service program eligibility.

Section 709.—The bill includes language regarding funds for information technology expenses for the Farm Service Agency and the Rural Development mission area.

Section 710.—The bill includes language prohibiting first-class airline travel.

Section 711.—The bill includes language regarding the availability of certain funds of the Commodity Credit Corporation.

Section 712.—The bill includes language regarding funding for advisory committees.

Section 713.—The bill includes language regarding IT system regulations.

Section 714.—The bill includes language regarding Section 32 activities.

Section 715.—The bill includes language regarding user fee proposals without offsets.

Section 716.—The bill includes language regarding the reprogramming of funds and notification requirements.

Section 717.—The bill includes language regarding fees for the guaranteed business and industry loan program.

Section 718.—The bill includes language regarding the appropriations hearing process.

Section 719.—The bill includes language regarding government-sponsored news stories.

Section 720.—The bill includes language regarding details and assignments of Department of Agriculture employees.

Section 721.—The bill includes language requiring spend plans.

Section 722.—The bill includes language regarding nutrition programs.

Section 723.—The bill includes language regarding Rural Development programs.

Section 724.—The bill includes language regarding USDA loan program levels.

Section 725.—The bill includes language regarding credit card refunds and rebates.

Section 726.—The bill includes language regarding the definition of the term ''variety'' in SNAP.

Section 727.—The bill includes language regarding the Secretary's authority with respect to the 502 guaranteed loan programs.

Section 728.—The bill includes language regarding electronically available information for prescribing healthcare professionals.

Section 729.—The bill includes language regarding FDA regulations with respect to spent grains.

Section 730.—The bill includes funding for the Rural Energy Savings Program.

Section 731.—The bill includes language regarding country or regional audits.

Section 732.—The bill includes language related to Rural Development Programs.

Section 733.—The bill includes language related to the Animal Welfare Act.

Section 734.—The bill includes language regarding U.S. iron and steel products in public water or wastewater systems.

Section 735.—The bill includes language regarding lobbying.

Section 736.—The bill includes language related to persistent poverty counties.

Section 737.—The bill provides funding for the Farm to School program.

Section 738.—The bill provides funding for the Healthy Foods Financing Initiative.

Section 739.—The bill provides funding for activities related to citrus greening.

Section 740.—The bill includes language related to investigational use of drugs or biological products.

Section 741.—The bill includes language related to the growing, harvesting, packing and holding of certain produce.

Section 742.—The bill provides funding for grants to enhance farming and ranching opportunities for military veterans.

Section 743.—The bill includes language related to the school breakfast program.

Section 744.—The bill includes language regarding hemp.

Section 745.—The bill includes language related to Food and Drug Administration advice about eating fish.

Section 746.—The bill provides funding for grants under section 12502 of Public Law 115–334.

Section 747.—The bill provides funding to carry out section 1621 of Public Law 110–246.

Section 748.—The bill provides funding to carry out section 4003(b) of Public Law 115–334.

Section 749.—The bill provides funding for the Water Bank program.

Section 750.—The bill includes language related to Rural Economic Area Partnership Zones.

Section 751.—The bill provides funding to carry out section 3307 of Public Law 115–334.

Section 752.—The bill includes language related to matching fund requirements.

Section 753.—The bill provides funding for a pilot program related to multi-family housing borrowers.

Section 754.—The bill provides funding to carry out section 12302 of Public Law 115–334.

Section 755.—The bill provides funding to carry out section 4208 of Public Law 115–334.

Section 756.—The bill provides funding to carry out section 12301 of Public Law 115–334.

Section 757.—The bill provides funding to carry out section 7120 of Public Law 115–334.

Section 758.—The bill provides funding to carry out section 7208 of Public Law 115–334.

Section 759.—The bill includes language related to potable water.

Section 760.—The bill provides funding to carry out section 4206 of Public Law 115–334.

Section 761.—The bill includes language regarding Food for Peace.

Section 762.—The bill includes language regarding facilities inspections.

Section 763.—The bill provides funding to carry out section 2103 of Public Law 115–334.

Section 764.—The bill includes language relating to the use of raw or processed poultry products from the People's Republic of China in various domestic nutrition programs.

Section 765.—The bill includes funding for a seafood study.

Section 766.—The bill includes funding to support agricultural business innovation.

Section 767.—The bill includes language related to certain school food lunch prices.

Section 768.—The bill provides funding to carry out section 6424 of Public Law 115–334.

Section 769.—The bill provides funding for Centers of Excellence.

Section 770.—The bill provides funding for rural hospital technical assistance.

Section 771.—The bill provides funding for a pilot program for wastewater systems in historically impoverished areas.

Section 772.—The bill includes language regarding animal contingency plans.

Section 773.—The bill provides funding to carry out section 23 of the Child Nutrition Act of 1966.

Section 774.—The bill includes language related to biotechnology risk assessment research.

Section 775.—The bill provides funding for rural broadband.

Section 776.—The bill provides funding to carry out section 12504 of Public Law 115–334.

Section 777.—The bill provides funding to carry out section 7209 of Public Law 115–334.

Section 778.—The bill includes language related to genetically engineered salmon.

Section 779.—The bill includes funding for open data standards.

Section 780.—The bill includes language related to certain reorganizations within the Department of Agriculture.

Section 781.—The bill includes funding related to renewable energy.

Section 782.—The bill includes language extending the hemp pilot program.

Section 783.—The bill includes language changing the due date of a study.

Section 784.—The bill includes language related to the ReConnect program.

Section 785.—The bill includes funding for Child Nutrition Program training.

Section 786.—The bill includes language related to the Agriculture Conservation Experiences Services Program.

Section 787.—The bill includes language related to imported seafood.

Section 788.—The bill includes funding related to a working group.

Section 789.—The bill includes language related to school meals.

Section 790.—The bill includes language related to inspected foreign products.

Section 791.—The bill includes language related to the ReConnect program.

Section 792.—The bill includes funding for the Goodfellow Federal facility.

Section 793.—The bill includes language related to broadband funding.

Section 794.—The bill includes language related to the Community Facilities program.

Section 795.—The bill includes language related to the Federal Meat Inspection Act.

Section 796.—The bill includes language related to a National Academies of Sciences, Engineering, and Medicine report.

Section 797.—The bill includes funding for a pilot program.

Section 798.—The bill includes funding for a blue-ribbon panel.

Section 799.—The bill includes funding for a competitive research and education grant.

Section 799A.—The bill provides funding to carry out section 12513 of Public Law 115–334.

Section 799B.—The bill includes language regarding user fees.

Section 799C.—The bill includes language regarding disaster programs.

Section 799D.—The bill includes emergency funding for Agriculture Quarantine and Inspection Services.

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE I - AGRICULTURAL PROGRAMS					
Processing, Research, and Marketing					
Staff Offices					
Office of the Secretary					
Office of the Secretary	5,051	5,143	5,101	+50	-42
Office of Homeland Security	1,496	1,336	1,324	-172	-12
Office of Partnerships and Public Engagement	6,211	1,957	7,002	+791	+5,045
Office of the Assistant Secretary for Administration	875	887	881	+6	-6
Departmental Administration	21,376	27,161	21,440	+64	-5,721
Subtotal	22,251	28,048	22,321	+70	-5,727
Office of the Assistant Secretary for Congressional Relations and Intergovernmental Affairs	3,869	3,941	3,908	+39	-33
Office of Communications	7,261	7,411	7,342	+81	-69
Total, Office of the Secretary	46,139	47,836	46,998	+859	-838
Executive Operations					
Office of the Chief Economist	24,013	20,857	24,192	+179	+3,335
Office of Hearings and Appeals	15,222	15,533	15,394	+172	-139

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Office of Budget and Program Analysis	9,525	20,660	9,629	+104	-11,031
Subtotal	48,760	57,050	49,215	+455	-7,835
Office of the Chief Information Officer	66,580	142,812	66,814	+234	-75,998
Office of the Chief Financial Officer	6,028	11,104	6,109	+81	-4,995
Office of the Assistant Secretary for Civil Rights	901	914	908	+7	-6
Office of Civil Rights	24,206	20,633	22,789	-1,417	+2,156
Office of Safety, Security, and Protection	---	24,978	23,218	+23,218	-1,760
Agriculture Buildings and Facilities	128,167	152,830	108,124	-20,043	-44,706
Hazardous materials management	4,503	3,523	6,514	+2,011	+2,991
Office of Inspector General	98,208	100,389	99,912	+1,704	-477
Office of the General Counsel	45,146	45,878	45,390	+244	-488
Office of Information Affairs	---	2,500	---	---	-2,500
Office of Ethics	4,136	4,222	4,184	+48	-38
Total, Executive Operations	426,635	566,833	433,177	+6,542	-133,656
Total, Staff Offices	472,774	614,669	480,175	+7,401	-134,494
Office of the Under Secretary for Research, Education, and Economics	800	813	809	+9	-4
Office of the Chief Scientist	---	6,000	---	---	-6,000
Economic Research Service	84,757	62,109	85,476	+719	+23,367
National Agricultural Statistics Service	180,294	177,465	183,921	+3,627	+6,456
Census of Agriculture	(45,300)	(46,300)	(46,300)	(+1,000)	---

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Agricultural Research Service					
Salaries and expenses	1,414,366	1,367,970	1,491,784	+77,418	+123,814
Buildings and facilities	192,700	50,000	35,700	-157,000	-14,300
Total, Agricultural Research Service	1,607,066	1,417,970	1,527,484	-79,582	+109,514
National Institute of Food and Agriculture					
Research and education activities	962,864	1,067,986	992,642	+29,778	-75,344
Native American Institutions Endowment Fund	(11,880)	(11,857)	(11,880)	---	(+23)
Extension activities	526,557	484,832	538,447	+11,890	+53,615
Integrated activities	38,000	38,000	39,000	+1,000	+1,000
Total, National Institute of Food and Agriculture	1,527,421	1,590,818	1,570,089	+42,668	-20,729
Office of the Under Secretary for Marketing and Regulatory Programs	800	914	809	+9	-105
Animal and Plant Health Inspection Service					
Salaries and expenses	1,042,711	1,032,988	1,064,179	+21,468	+31,191
Buildings and facilities	3,175	2,574	3,175	---	+601
Total, Animal and Plant Health Inspection Service	1,045,886	1,035,562	1,067,354	+21,468	+31,792

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Agricultural Marketing Service					
Marketing Services	186,936	150,933	188,358	+1,422	+37,425
(Limitation on administrative expenses, from fees collected)	(61,227)	(60,982)	(61,227)	---	(+245)
Funds for strengthening markets, income, and supply (Section 32):					
Permanent, Section 32	1,404,000	1,359,864	1,359,864	-44,136	---
Marketing agreements and orders (transfer from Section 32)	(20,705)	(20,705)	(20,705)	---	---
Payments to States and Possessions	1,235	---	1,235	---	+1,235
Limitation on inspection and weighing services	(55,000)	(55,000)	(55,000)	---	---
Total, Agricultural Marketing Service program	1,708,398	1,626,779	1,665,684	-42,714	+38,905
Office of the Under Secretary for Food Safety	800	813	809	+9	-4
Food Safety and Inspection Service	1,054,344	1,092,405	1,075,703	+21,359	-16,702
Lab accreditation fees	(1,000)	(1,000)	(1,000)	---	---
Total, title I, Agricultural Programs	7,567,113	7,510,335	7,542,086	-25,027	+31,751
(By transfer)	(20,705)	(20,705)	(20,705)	0	0
(Limitation on administrative expenses)	(116,227)	(115,982)	(116,227)	---	(+245)

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TITLE II - Farm Production and Conservation Programs					
Farm Production Programs					
Office of the Under Secretary for Farm Production and Conservation	901	1,141	916	+15	-225
Farm Production and Conservation Business Center	203,877	243,602	231,302	+27,425	-12,300
(by transfer from CCC)	(60,228)	(60,228)	(60,228)	---	---
(by transfer from ACIF)	(16,081)	---	---	(-16,081)	---
(by transfer from Food for Peace (P.L. 480))	---	(112)	(112)	(+112)	---
(by transfer from export loans)	---	(318)	(318)	(+318)	---
Total, FPAC Business Center (including transfers)	280,186	304,260	291,960	+11,774	-12,300
Farm Service Agency					
Salaries and expenses	1,122,837	1,104,684	1,142,924	+20,087	+38,240
(by transfer from Food for Peace (P.L. 480))	(142)	---	---	(-142)	---
(by transfer from export loans)	(318)	---	---	(-318)	---
(by transfer from ACIF)	(290,917)	(294,114)	(294,114)	(+3,197)	---
Subtotal, transfers	(291,377)	(294,114)	(294,114)	(+2,737)	---
Total, Salaries and expenses (including transfers)	1,414,214	1,398,798	1,437,038	+22,824	+38,240

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State mediation grants	5,545	6,914	6,914	+1,369	---
Grassroots source water protection program	6,500	---	6,500	---	+6,500
Dairy indemnity program	500	500	500	---	---
Subtotal, Farm Service Agency	1,135,382	1,112,098	1,156,838	+21,456	+44,740
Agricultural Credit Insurance Fund (ACIF) Program Account:					
Loan authorizations:					
Farm ownership loans:					
Direct	(1,875,000)	(2,119,000)	(2,500,000)	(+625,000)	(+381,000)
Guaranteed	(2,750,000)	(2,750,000)	(3,300,000)	(+550,000)	(+550,000)
Subtotal	(4,625,000)	(4,869,000)	(5,800,000)	(+1,175,000)	(+931,000)
Farm operating loans:					
Direct	(1,550,133)	(1,633,333)	(1,633,333)	(+83,200)	---
Unsubsidized guaranteed	(1,960,000)	(2,118,482)	(2,118,482)	(+158,482)	---
Subtotal	(3,510,133)	(3,751,815)	(3,751,815)	(+241,682)	---
Emergency loans	(37,668)	(37,668)	(37,668)	---	---
Indian tribe land acquisition loans	(20,000)	(20,000)	(20,000)	---	---
Conservation loans:					
Guaranteed	(150,000)	(150,000)	(150,000)	---	---

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Indian Highly Fractionated Land Loans.....	(10,000)	---	(5,000)	(-5,000)	(+5,000)
Boll weevil eradication loans.....	(60,000)	(60,000)	(60,000)	---	---
Relending program loans.....	(18,215)	(18,215)	(33,693)	(+15,478)	(+15,478)
Total, Loan authorizations.....	(8,431,016)	(8,906,698)	(9,858,176)	(+1,427,160)	(+951,478)
Loan subsidies:					
Farm operating loans:					
Direct.....	58,440	38,710	38,710	-19,730	---
Unsubsidized guaranteed.....	20,972	23,727	23,727	+2,755	---
Subtotal.....	79,412	62,437	62,437	-16,975	---
Emergency Loans.....	2,023	207	207	-1,816	---
Indian Highly Fractionated Land Loans.....	2,745	---	742	-2,003	+742
Boll weevil eradication loans.....	60	---	---	-60	---
Relending program loans.....	5,000	2,703	5,000	---	+2,297
Total, Loan subsidies and grants.....	89,240	65,347	68,386	-20,854	+3,039

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ACIF administrative expenses:					
Administrative Expenses	317,068	307,344	307,344	-9,724	---
(Program Loan Cost Expenses)	(10,070)	(13,230)	(13,230)	(+3,160)	---
(Transfer out to FSA Salaries and expenses)	(-290,917)	(-294,114)	(-294,114)	(-3,197)	---
(Transfer out to FPAC Business Center Salaries and expenses)	(-16,081)	---	---	(+16,081)	---
Total, Agricultural Credit Insurance Fund Program Account	406,308	372,691	375,730	-30,578	+3,039
(Loan authorizations)	(8,431,016)	(8,906,698)	(9,858,176)	(+1,427,160)	(+951,478)
Total, Farm Service Agency	1,541,690	1,484,789	1,532,568	-9,122	+47,779
Risk Management Agency					
RMA Salaries and Expenses	58,361	59,440	60,131	+1,770	+691
Total, Farm Production Programs	1,804,829	1,788,972	1,824,917	+20,088	+35,945
Natural Resources Conservation Service:					
Private Lands Conservation Operations	829,628	830,186	832,727	+3,099	+2,541
(by transfer from FSRI)	---	(1,190,609)	---	---	(-1,190,609)

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Farm Security and Rural Investment Program:					
Technical assistance (transfer out)	---	(-1,190,609)	---	---	(+1,190,609)
Administrative expenses-FPAC Business Center (transfer out)	(-60,228)	(-60,228)	(-60,228)	---	---
Total, Conservation operations	829,628	830,186	832,727	+3,099	+2,541
Watershed flood and prevention operations	175,000	---	175,000	---	+175,000
Watershed rehabilitation program	10,000	---	10,000	---	+10,000
Total, Natural Resources Conservation Service	1,014,628	830,186	1,017,727	+3,099	+187,541
Corporations					
Federal Crop Insurance Corporation:					
Federal crop insurance corporation fund	9,959,000	8,716,000	8,748,000	-1,211,000	+32,000
Commodity Credit Corporation Fund:					
Reimbursement for net realized losses	26,309,033	25,553,096	31,830,731	+5,521,698	+6,277,635
Hazardous waste management (limitation on expenses)	(5,000)	(15,000)	(15,000)	(+10,000)	---
Total, Corporations	36,268,033	34,269,096	40,578,731	+4,310,698	+6,309,635
Total, title II, Farm Production and Conservation Programs	39,087,490	36,888,254	43,421,375	+4,333,885	+6,533,121
(By transfer)	(367,686)	(1,545,381)	(354,772)	(-12,914)	(-1,190,609)
(Transfer out)	(-367,226)	(-1,544,951)	(-354,342)	(+12,884)	(+1,190,609)

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TITLE III - RURAL DEVELOPMENT					
Office of the Under Secretary for Rural Development...	800	1,036	812	+12	-224
Rural Development					
Rural development expenses:					
Salaries and expenses.....	247,835	483,480	264,024	+16,189	-219,456
(by transfer from RHIF).....	(412,254)	(240,000)	(412,254)	---	(+172,254)
(by transfer from RDLFP).....	(4,468)	---	(4,468)	---	(+4,468)
(by transfer from RETLP).....	(33,270)	(38,000)	(33,270)	---	(-4,730)
Subtotal, transfers from program accounts.....	449,992	278,000	449,992	---	+171,992
Total, Rural development expenses.....	697,827	761,480	714,016	+16,189	-47,464
Rural Housing Service					
Rural Housing Insurance Fund Program Account:					
Loan authorizations:					
Single family direct (Sec. 502).....	(1,000,000)	---	(1,000,000)	---	(+1,000,000)
Unsubsidized guaranteed.....	(24,000,000)	(24,000,000)	(24,000,000)	---	---
Subtotal, Single family.....	25,000,000	24,000,000	25,000,000	---	+1,000,000
Housing repair (Sec. 504).....	(28,000)	---	(28,000)	---	(+28,000)
Rental housing (Sec. 515).....	(40,000)	---	(40,000)	---	(+40,000)

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Multi-family housing guarantees (Sec. 538)....	(230,000)	(230,000)	(230,000)	---	---
Site development loans (Sec. 524).....	(5,000)	---	(5,000)	---	(+5,000)
Single family housing credit sales.....	(10,000)	(10,000)	(10,000)	---	---
Self-help housing land development housing loans (Sec. 523).....	(5,000)	---	(5,000)	---	(+5,000)
Farm Labor Housing (Sec.514).....	(28,000)	---	(28,000)	---	(+28,000)
Total, Loan authorizations.....	25,346,000	24,240,000	25,346,000	---	+1,106,000
Loan subsidies:					
Single family direct (Sec. 502).....	90,000	---	55,400	-34,600	+55,400
Housing repair (Sec. 504).....	4,679	---	2,215	-2,464	+2,215
Rental housing (Sec. 515).....	12,144	---	6,688	-5,456	+6,688
Multi-family housing revitalization program...	---	40,000	---	---	-40,000
Farm labor housing (Sec.514).....	8,739	---	5,093	-3,646	+5,093
Self-Help Land Development Housing Loans (Sec.523).....	577	---	269	-308	+269
Site Development Loans (Sec.524).....	546	---	355	-191	+355
Total, Loan subsidies.....	116,685	40,000	70,020	-46,665	+30,020
Farm labor housing grants.....	10,000	---	10,000	---	+10,000
RHIF administrative expenses.....	412,254	240,000	412,254	---	+172,254
(transfer out to Rural Development).....	(-412,254)	(-240,000)	(-412,254)	---	(-172,254)
Total, Rural Housing Insurance Fund program...	538,939	280,000	492,274	-46,665	+212,274
(Loan authorization).....	(25,346,000)	(24,240,000)	(25,346,000)	---	(+1,106,000)

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Rental assistance program:					
Rental assistance (Sec. 521).....	1,375,000	1,410,000	1,410,000	+35,000	---
Rural housing vouchers.....	---	40,000	---	---	-40,000
Subtotal, Rental Assistance Program.....	1,375,000	1,450,000	1,410,000	+35,000	-40,000
Multi-Family Housing Revitalization Program Account:					
Rural housing voucher program.....	32,000	---	40,000	+8,000	+40,000
Multi-family housing revitalization program...	28,000	---	28,000	---	+28,000
Mutual and self-help housing grants.....	31,000	---	31,000	---	+31,000
Rural housing assistance grants.....	45,000	45,000	45,000	---	---
Rural community facilities program account:					
Loan authorizations:					
Community facility:					
Direct.....	(2,800,000)	(2,500,000)	(2,800,000)	---	(+300,000)
Guaranteed.....	(500,000)	(500,000)	(500,000)	---	---
Total, Loan authorizations.....	3,300,000	3,000,000	3,300,000	---	+300,000

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Loan subsidies and grants:					
Community facility:					
Non-conforming Subsidy	---	20,000	25,000	+25,000	+5,000
Grants	32,000	30,000	32,000	---	+2,000
Rural community development initiative	6,000	---	6,000	---	+6,000
Economic impact initiative grants	6,000	---	6,000	---	+6,000
Tribal college grants	5,000	10,000	5,000	---	-5,000
Subtotal, Loan subsidies and grants	49,000	60,000	74,000	+25,000	+14,000
Total, grants and payments	125,000	105,000	150,000	+25,000	+45,000
Total, Rural Housing Service	2,098,939	1,835,000	2,120,274	+21,335	+285,274
(Loan authorization)	(28,646,000)	(27,240,000)	(28,646,000)	---	(+1,406,000)
Rural Business--Cooperative Service:					
Energy Assistance Programs	---	100,000	---	---	-100,000
Rural Business Program Account:					
(Guaranteed business and industry loan authorization)	(1,000,000)	(1,500,000)	(1,000,000)	---	(-500,000)

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Loan subsidies and grants:					
Guaranteed business and industry subsidy..	20,500	7,400	10,400	-10,100	+3,000
Rural business development grants.....	37,000	---	37,000	---	+37,000
Delta Regional Authority and Appalachian Regional Commission.....	9,000	---	9,000	---	+9,000
Total, RBP loan subsidies and grants.....	66,500	7,400	56,400	-10,100	+49,000
Intermediary Relending Program Fund Account:					
(Loan authorization).....	(18,889)	---	(18,889)	---	(+18,889)
Loan subsidy.....	5,219	---	2,939	-2,280	+2,939
Administrative expenses.....	4,468	---	4,468	---	+4,468
(transfer out to Rural Development).....	(-4,468)	---	(-4,468)	---	(-4,468)
Total, Intermediary Relending Program Account.....	9,687	---	7,407	-2,280	+7,407
Rural Economic Development Loans Program Account:					
(Loan authorization).....	(50,000)	---	(50,000)	---	(+50,000)
Limit cushion of credit interest spending.....	(50,000)	---	(50,000)	---	(+50,000)
Rural Cooperative Development Grants:					
Cooperative development.....	5,800	---	5,800	---	+5,800
Appropriate Technology Transfer for Rural Areas.....	2,800	---	2,800	---	+2,800
Grants to assist minority producers.....	3,000	3,000	3,000	---	---

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Value-added agricultural product market development	12,000	---	12,000	---	+12,000
Agriculture innovation centers	3,000	---	3,000	---	+3,000
Total, Rural Cooperative development grants	26,600	3,000	26,600	---	+23,600
Rural Microentrepreneur Assistance Program	6,000	---	6,000	---	+6,000
Rural Energy for America Program:					
(Loan authorization)	(20,000)	---	(20,000)	---	(+20,000)
Loan subsidy and grants	706	---	392	-314	+392
Total, Rural Business-Cooperative Service	109,493	110,400	96,799	-12,694	-13,601
(Loan authorizations)	(1,088,889)	(1,500,000)	(1,088,889)	---	(-411,111)
Rural Utilities Service:					
Rural water and waste disposal program account:					
Loan authorizations:					
Direct	(1,400,000)	(1,270,000)	(1,400,000)	---	(+130,000)
Guaranteed	(50,000)	(58,333)	(50,000)	---	(-8,333)
Total, Loan authorizations	1,450,000	1,328,333	1,450,000	---	+121,667
Loan subsidies and grants:					
Direct subsidy	63,840	---	---	-63,840	---
Guaranteed subsidy	70	70	60	-10	-10
Water and waste revolving fund	1,000	1,000	1,000	---	---

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Water well system grants	5,000	1,000	5,000	---	+4,000
Colonias and AK/HI grants	68,000	68,000	68,000	---	---
Water and waste technical assistance	30,000	40,000	35,000	+5,000	-5,000
Circuit rider program	19,570	19,000	20,157	+587	+1,157
Solid waste management grants	4,000	4,000	4,000	---	---
High energy cost grants	10,000	---	10,000	---	+10,000
Water and waste disposal grants	443,000	463,350	463,350	+20,350	---
306A(i)(2) grants	15,000	15,000	15,000	---	---
Emergency Community Water Assistance Grants	---	2,650	---	---	-2,650
Total, Loan subsidies and grants	659,480	614,070	621,567	-37,913	+7,497
Rural Electrification and Telecommunications Loans Program Account:					
Loan authorizations:					
Electric:					
Direct, FFB	(5,500,000)	---	(5,500,000)	---	(+5,500,000)
Electric Direct, Treasury Rate	---	(5,500,000)	---	---	(-5,500,000)
Guaranteed underwriting	(750,000)	---	(750,000)	---	(+750,000)
Subtotal, Electric	6,250,000	5,500,000	6,250,000	---	+750,000

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Telecommunications:					
Telecomm Direct, Treasury	(345,000)	(690,000)	(345,000)	---	(-345,000)
Direct, FFB	(345,000)	---	(345,000)	---	(+345,000)
Subtotal, Telecommunications	690,000	690,000	690,000	---	---
Total, Loan authorizations	6,940,000	6,190,000	6,940,000	---	+750,000
Loan Subsidy:					
Telecommunications Direct, Treasury Rate	3,795	4,554	2,277	-1,518	-2,277
RETLP administrative expenses	33,270	38,000	33,270	---	-4,730
(transfer out to Rural Development)	(-33,270)	(-38,000)	(-33,270)	---	(+4,730)
Total, Rural Electrification and Telecommunications Loans Program Account	37,065	42,554	35,547	-1,518	-7,007
(Loan authorization)	(6,940,000)	(6,190,000)	(6,940,000)	---	(+750,000)
Broadband Program:					
Loan authorizations:					
Broadband telecommunications	(11,179)	---	(11,869)	(+690)	(+11,869)
Loan subsidies and grants:					
Distance learning and telemedicine:					
Grants	50,000	44,000	60,000	+10,000	+16,000
Broadband telecommunications:					
Direct	2,000	---	2,000	---	+2,000
Grants	35,000	30,000	35,000	---	+5,000

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Broadband E-Connect:					
Loan subsidies and grants.....	---	250,000	---	---	-250,000
Total, Loan subsidies and grants....	87,000	324,000	97,000	+10,000	-227,000
Total, Rural Utilities Service.....	783,545	980,624	754,114	-29,431	-226,510
(Loan authorization).....	(8,401,179)	(7,518,333)	(8,401,869)	(+690)	(+883,536)
Total, title III, Rural Development Programs....	3,240,612	3,410,540	3,236,023	-4,589	-174,517
(By transfer).....	(449,992)	(278,000)	(449,992)	---	(+171,992)
(Transfer out).....	(-449,992)	(-278,000)	(-449,992)	---	(-171,992)
(Loan authorizations).....	(38,136,068)	(36,258,333)	(38,136,758)	(+690)	(+1,878,425)
TITLE IV - DOMESTIC FOOD PROGRAMS					
Office of the Under Secretary for Food, Nutrition and Consumer Services.....	800	813	809	+9	-4
Food and Nutrition Service:					
Child nutrition programs	23,550,098	25,040,911	25,046,440	+1,496,342	+5,529
School breakfast program equipment grants.....	30,000	---	30,000	---	+30,000
Demonstration projects (Summer EBT).....	35,000	---	42,000	+7,000	+42,000
Total, Child nutrition programs.....	23,615,098	25,040,911	25,118,440	+1,503,342	+77,529

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Special supplemental nutrition program for women, infants, and children (WIC)	6,000,000	5,451,501	6,000,000	---	+548,499
Supplemental nutrition assistance program:					
(Food stamp program)	64,885,287	65,281,364	111,034,580	+46,149,293	+45,753,216
Reserve	3,000,000	3,000,000	3,000,000	---	---
FDPIR nutrition education services	998	---	998	---	+998
Total, Food stamp program	67,886,285	68,281,364	114,035,578	+46,149,293	+45,754,214
Commodity assistance program:					
Commodity supplemental food program	245,000	---	325,000	+80,000	+325,000
Farmers market nutrition program	18,548	---	21,000	+2,452	+21,000
Emergency food assistance program	79,630	79,630	79,630	---	---
Pacific island and disaster assistance	1,070	1,070	1,070	---	---
Total, Commodity assistance program	344,248	80,700	426,700	+82,452	+346,000
Nutrition programs administration	155,891	155,251	156,805	+914	+1,554
Congressional Hunger Center	(2,000)	---	(2,000)	---	(+2,000)
Total, Food and Nutrition Service	98,001,522	99,009,727	145,737,523	+47,736,001	+46,727,796
Total, title IV, Domestic Food Programs	98,002,322	99,010,540	145,738,332	+47,736,010	+46,727,792

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
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(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE V - FOREIGN ASSISTANCE AND RELATED PROGRAMS					
Office of the Under Secretary for Trade and Foreign Agricultural Affairs	875	891	887	+12	-4
Office of Codex Alimentarius	4,775	4,817	4,805	+30	-12
Foreign Agricultural Service					
Salaries and expenses	215,513	193,703	221,835	+6,322	+28,132
(By transfer from export loans)	(6,063)	(6,063)	(6,063)	---	---
Total, Salaries and expenses (including transfers)	221,576	199,766	227,898	+6,322	+28,132
Food for Peace Title I Direct Credit and Food for Progress Program Account:					
Administrative expenses	142	112	112	-30	---
FSA Salaries and expenses (transfer out)	(-142)	---	---	(+142)	---
FPAC Business Center Salaries and expenses (transfer out)	---	(-112)	(-112)	(-112)	---
Food for Peace Title II Grants:					
Expenses	1,725,000	---	1,740,000	+15,000	+1,740,000

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Commodity Credit Corporation Export Loans Program Account:					
Administrative expenses	6,381	6,381	6,381	---	---
Foreign Agriculture Service, Salaries and expenses (transfer out)	(-6,063)	(-6,063)	(-6,063)	---	---
Farm Service Agency Salaries and expenses (transfer out)	(-318)	---	---	(+318)	---
FPAC Business Center Salaries and expenses (transfer out)	---	(-318)	(-318)	(-318)	---
Total, CCC Export Loans Program Account	6,381	6,381	6,381	---	---
McGovern-Dole International Food for Education and Child Nutrition program grants	220,000	---	230,000	+10,000	+230,000
Total, title V, Foreign Assistance and Related Programs	2,172,686	205,904	2,204,020	+31,334	+1,998,116
(By transfer)	(6,063)	(6,063)	(6,063)	---	---
(Transfer out)	(-6,523)	(-6,493)	(-6,493)	(+30)	---

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE VI - RELATED AGENCIES AND FOOD AND DRUG ADMINISTRATION					
DEPARTMENT OF HEALTH AND HUMAN SERVICES					
Food and Drug Administration					
Salaries and expenses					
Direct appropriation	3,159,678	3,206,564	3,201,928	+42,250	-4,636
Transfer to OIG (transfer out)	(-1,500)	---	(-1,500)	---	(-1,500)
Spending from appropriated user fees:					
Prescription drug user fees	1,074,714	1,119,188	1,107,199	+32,485	-11,989
Medical device user fees	220,142	238,595	236,059	+15,917	-2,536
Human generic drug user fees	513,223	526,039	520,208	+6,985	-5,831
Biosimilar biological products user fees	41,923	42,998	42,494	+571	-504
Animal drug user fees	30,611	31,306	33,340	+2,729	+2,034
Animal generic drug user fees	20,151	20,609	22,797	+2,646	+2,188
Tobacco product user fees	712,000	712,000	712,000	---	---
Subtotal, user fees (appropriated)	2,612,764	2,690,735	2,674,097	+61,333	-16,638
Subtotal (including appropriated user fees)	5,772,442	5,897,299	5,876,025	+103,583	-21,274
Mammography user fees	21,351	18,618	18,618	-2,733	---
Export user fees	4,696	4,886	4,886	+190	---
Color certification user fees	10,534	10,469	10,469	-65	---

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Food and Feed Recall user fees	1,492	1,492	1,492	---	---
Food Reinspection fees	6,673	6,673	6,673	---	---
Voluntary qualified importer program fees	5,515	5,514	5,514	-1	---
Pharmacy compounding fees	1,676	1,581	1,581	-95	---
Priority review vouchers (PRV) pediatric disease	7,997	7,997	7,997	---	---
Priority review vouchers (PRV) tropical disease	---	2,556	2,556	+2,556	---
Priority review vouchers (PRV) medical countermeasures	---	2,556	2,556	+2,556	---
Third party auditor	742	741	741	-1	---
Over-the-Counter Monograph fees	28,400	28,400	28,400	---	---
Increased export certification fees (legislative proposal)	---	4,366	---	---	-4,366
Innovative food products fees (legislative proposal)	---	28,000	---	---	-28,000
Expand tobacco products fees (legislative proposal)	---	100,000	---	---	-100,000
Subtotal, spending from FDA user fees	2,701,840	2,914,584	2,765,580	+63,740	-149,004
Total, Salaries and expenses (including user fees)	5,860,018	6,121,148	5,966,008	+105,990	-155,140
HHS Office of Inspector General (by transfer)	(1,500)	---	(1,500)	---	(+1,500)
Buildings and facilities	11,788	13,788	12,788	+1,000	-1,000
FDA Innovation account	75,000	70,000	70,000	-5,000	---
Offset of appropriation pursuant to Section 1002 (b)(3)(B) of the 21st Century Cures Act (P.L. 114-255)	-75,000	-70,000	-70,000	+5,000	---

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Spending of FDA innovation account (transfer).....	(75,000)	(70,000)	(70,000)	(-5,000)	---
Total, FDA (w/user fees, including proposals)...	5,873,306	6,134,936	5,980,296	+106,990	-154,640
Total, FDA (w/enacted user fees only).....	5,873,306	6,002,570	5,980,296	+106,990	-22,274
FDA user fees.....	-2,701,840	-2,914,584	-2,765,580	-63,740	+149,004
Total, Food and Drug Administration (excluding user fees).....	3,171,466	3,220,352	3,214,716	+43,250	-5,636
INDEPENDENT AGENCIES					
Commodity Futures Trading Commission 1/.....	315,000	---	---	-315,000	---
Farm Credit Administration (limitation on administrative expenses).....	(77,000)	(80,400)	(80,400)	(+3,400)	---
Total, title VI, Related Agencies and Food and Drug Administration.....	3,486,466	3,220,352	3,214,716	-271,750	-5,636

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE VII - GENERAL PROVISIONS					
Rural Energy Savings Program	12,000	---	11,000	-1,000	+11,000
Farm to School	9,000	---	12,000	+3,000	+12,000
Healthy Food Financing Initiative	5,000	---	5,000	---	+5,000
Citrus Greening	8,500	---	8,500	---	+8,500
Broadband Pilot	300,000	---	531,000	+231,000	+531,000
Section 313 funds	(255,000)	---	(104,000)	(-151,000)	(+104,000)
NIFA Military Veteran Grants	5,000	---	5,000	---	+5,000
Centers of Excellence	6,000	---	10,000	+4,000	+10,000
Rural Hospital Technical Assistance	1,000	---	2,000	+1,000	+2,000
Protecting Animals with Shelter Grants	2,000	---	2,500	+500	+2,500
Tribal Demonstration Projects	3,000	---	3,000	---	+3,000
International Agricultural Education Fellowship	1,000	---	1,000	---	+1,000
School Breakfast Expansion Grants	5,000	---	6,000	+1,000	+6,000
Urban Agriculture Office	5,000	---	7,000	+2,000	+7,000
Food Loss Liaison	400	---	500	+100	+500
Healthy Fluid Milk	1,000	---	1,000	---	+1,000
Pollinator Research Coordinator	400	---	400	---	+400
Farm Opportunities Training and Outreach	5,000	---	5,000	---	+5,000
Tribal Student Scholarships	5,000	---	5,000	---	+5,000
Genome to Phenome	1,000	---	1,000	---	+1,000
Nutrition Assistance Program Study	6,000	---	---	-6,000	---
Micro-grants for Food Security	5,000	---	5,000	---	+5,000
Water Bank program	4,000	---	4,000	---	+4,000
Geographic Disadvantaged farmers	2,000	---	2,000	---	+2,000
Maturing mortgage pilot	1,000	---	2,000	+1,000	+2,000
Conservation Reserve Program Pilot	1,000	---	---	-1,000	---

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
WIC (rescission)	-1,000,000	-1,200,000	-1,250,000	-250,000	-50,000
Dairy innovation	20,000	---	22,000	+2,000	+22,000
RISE grants	5,000	---	5,000	---	+5,000
FDA Buildings and Facilities	20,000	---	---	-20,000	---
Mitigation banking	5,000	---	5,000	---	+5,000
Electric refinancing (rescission)	-15,073	---	---	+15,073	---
Waste water pilot program	5,000	---	5,000	---	+5,000
Office of the Secretary (Sec. 791) (rescission of emergency funding)	-1,500,000	---	---	+1,500,000	---
WHIP program (Sec. 791) (emergency)	1,500,000	---	---	-1,500,000	---
Ebola prevention and treatment (Sec. 792) (emergency)	535,000	---	---	-535,000	---
Agriculture Business Innovation Center	---	---	2,000	+2,000	+2,000
Child nutrition training	---	---	1,000	+1,000	+1,000
Renewable energy	---	---	10,000	+10,000	+10,000
NOAA working group	---	---	1,000	+1,000	+1,000
Goodfellow facility	---	---	45,861	+45,861	+45,861
Broadband program (rescission)	---	---	-12,000	-12,000	-12,000
FDA Seafood Safety	---	---	1,000	+1,000	+1,000
Cogongrass Pilot	---	---	3,000	+3,000	+3,000
Blue Ribbon Panel	---	---	300	+300	+300
Farm of the Future	---	---	4,000	+4,000	+4,000
Open Data Standards	---	---	500	+500	+500
Agriculture Quarantine Inspection Services (emergency)	---	---	635,000	+635,000	+635,000
Total, title VII, General Provisions	-30,773	-1,200,000	108,561	+139,334	+1,308,561

AGRICULTURE, RURAL DEVELOPMENT, FOOD AND DRUG ADMINISTRATION,
AND RELATED AGENCIES APPROPRIATIONS ACT, 2021
(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Grand total	153,525,916	149,045,925	205,465,113	+51,939,197	+56,419,188
Appropriations	(156,707,829)	(153,160,509)	(208,857,693)	(+52,149,864)	(+55,697,184)
Offsetting collections	(-2,701,840)	(-2,914,584)	(-2,765,580)	(-63,740)	(+149,004)
Rescissions	(-1,015,073)	(-1,200,000)	(-1,262,000)	(-246,927)	(-62,000)
Rescissions of emergency funding	(-1,500,000)	---	---	(+1,500,000)	---
(By transfer)	(1,648,982)	(3,658,888)	(1,623,154)	(-25,828)	(-2,035,734)
(By transfer) (emergency)	(255,000)	---	(104,000)	(-151,000)	(+104,000)
(Transfer out)	(-1,648,982)	(-3,658,888)	(-1,623,154)	(+25,828)	(+2,035,734)
(Loan authorization)	(46,567,084)	(45,165,031)	(47,994,934)	(+1,427,850)	(+2,829,903)
(Limitation on administrative expenses)	(198,227)	(211,382)	(211,627)	(+13,400)	(+245)

1/ Funding for the CFTC for the FY21 Request and Final Bill is reflected on the Financial Services and General Government Appropriations Bill

DIVISION B—COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

The joint explanatory statement accompanying this division is approved and indicates congressional intent. Unless otherwise noted, the language set forth in House Report 116–455 (''the House report'') carries the same weight as language included in this joint explanatory statement and should be complied with unless specifically addressed to the contrary in this joint explanatory statement or the Act. The explanatory statement, while repeating some language for emphasis, is not intended to negate the language referred to above unless expressly provided herein. In cases where the House report directs the submission of a report, such report is to be submitted to both the House and Senate Committees on Appropriations (''the Committees'').

Each department and agency funded in this Act shall follow the directions set forth in this Act and the accompanying explanatory statement, and shall not reallocate resources or reorganize activities except as provided herein. Reprogramming procedures shall apply to: funds provided in this Act; unobligated balances from previous appropriations Acts that are available for obligation or expenditure in fiscal year 2021; and non-appropriated resources such as fee collections that are used to meet program requirements in fiscal year 2021. These procedures are specified in section 505 of this Act.

Any reprogramming request shall include any out-year budgetary impacts and a separate accounting of program or mission impacts on estimated carryover funds. Any program, project, or activity cited in this explanatory statement, or in the House report and not changed by this Act, shall be construed as the position of the Congress and shall not be subject to reductions or reprogramming without prior approval of the Committees. Further, any department or agency funded in this Act that plans a reduction-in-force shall notify the Committees by letter no later than 30 days in advance of the date of any such planned personnel action.

When a department or agency submits a reprogramming or transfer request to the Committees and does not receive identical responses, it shall be the responsibility of the department or agency seeking the reprogramming to reconcile the differences between the two bodies before proceeding. If reconciliation is not possible, the items in disagreement in the reprogramming or transfer request shall be considered unapproved. Departments and agencies shall not submit reprogramming notifications after July 1, 2021, except in extraordinary circumstances. Any such notification shall include a description of the extraordinary circumstances.

In compliance with section 528 of this Act, each department and agency funded in this Act shall submit spending plans, signed by the respective department or agency head, for the Committees' review not later than 45 days after enactment of this Act.

For fiscal year 2021, all agencies and departments funded in this Act are directed to follow prior year direction adopted in Public Law 116–93, on the following topics for this fiscal year: ''Fighting Waste, Fraud, and Abuse,'' ''Federal Vehicle Fleet Management,'' ''Reducing Duplication and Improving Efficiencies,'' ''Reprogrammings, Reorganizations, and Relocations,'' ''Congressional Budget Justifications,'' ''Reporting Requirements,'' and ''Reductions-in-Force.''

TITLE I

DEPARTMENT OF COMMERCE

INTERNATIONAL TRADE ADMINISTRATION

OPERATIONS AND ADMINISTRATION

The agreement includes $541,000,000 in total resources for the International Trade Administration (ITA). This amount is offset by $11,000,000 in estimated fee collections, resulting in a direct appropriation of $530,000,000. The increased funding level is intended to support current services, requested adjustments to base, and programmatic increases highlighted herein. Additionally, the agreement modifies the House recommended funding level for Enforcement and Compliance (E&C) and supports an increase above the fiscal year 2020 enacted level to meet ITA's operational requirements for E&C and Industry and Analysis. Further, within the funds provided the agreement includes up to $1,000,000 for the establishment of the U.S. Section of the Secretariat within the Department of Commerce as authorized under section 105 of the U.S.-Mexico-Canada Agreement Implementation Act (Public Law 116–113).

Enforcement and Compliance.—Within the amounts provided, the agreement includes the amounts requested for increases to manage the anti-dumping and countervailing duties (AD/CVD) workload and section 232 tariff exclusion applications. The agreement acknowledges the exponential growth in AD/CVD orders and directs ITA to prioritize its resources appropriately to support ITA's ability to continue making AD/CVD enforcement a priority, including self-initiating AD/CVD proceedings and thoroughly investigating dumping and subsidies causing injury to domestic businesses.

Aluminum Import Monitoring (AIM) System.—The agreement provides increased funding within the amounts provided to continue the development and implementation of the AIM system. ITA is encouraged to regularly consult with representatives from the aluminum industry to ensure the AIM system is meeting its stated goal of supporting U.S. aluminum producers.

Global Markets.—The agreement provides no less than $340,750,000 for Global Markets (GM), an increase of $7,750,000 above the fiscal year 2020 level. The agreement rejects the proposed reduction to GM staffing levels and ITA is directed to obligate adequate amounts for personnel compensation in order to continue to fill vacancies, in line with direction provided in Senate Report 116–127 and adopted by Public Law 116–93. The agreement reaffirms prior year precedent that the Committees will not approve any requests to close foreign or domestic offices, including the Export Assistance Centers.

Rural Export Assistance.—The Secretary is encouraged to continue to prioritize the Department's efforts to support and expand international trade opportunities for rural businesses, and the agreement provides no less than the fiscal year 2020 amount within GM toward rural export assistance.

Commercial Engagement in the Pacific Region.—Within funding provided for GM, the Committee provides up to $400,000 for ITA to enhance commercial engagement in the Pacific region. In so doing, ITA should identify and prioritize areas that would bolster the diplomatic and national security interests of the United States.

General Data Protection Regulation (GDPR).—ITA is encouraged to continue efforts to educate small businesses about the European Union's GDPR.

Resource Allocation and Workforce Planning.—The U.S. Government Accountability Office (GAO) is directed to undertake a follow-up to the report ''Commercial Service Workforce Should Be Better Planned'' (GAO–10–874) that should include assessing the priority of resource utilization within GM; analyzing the workforce and succession strategy within U.S. and Foreign Commercial Service (USFCS), including the percentage of senior leadership and workforce diversity and inclusion; and reviewing the current management structure of GM after the merger of the USFCS with the Market Access and Compliance business unit.

BUREAU OF INDUSTRY AND SECURITY

OPERATIONS AND ADMINISTRATION

The agreement includes $133,000,000 for the Bureau of Industry and Security (BIS), an increase of $5,348,000 above the fiscal year 2020 enacted level. The increased funding level is intended to support current services, requested adjustments to base, and requirements related to the product exclusion process for steel and aluminum tariffs applied under section 232 of the Trade Expansion Act of 1962 (19 U.S.C. 1862).

Export Control Regulatory Compliance Assistance.—BIS is directed to continue educating companies of all sizes on their obligations related to export controls, consistent with direction provided in Senate Report 116-127 and adopted by Public Law 116–93.

Sanction Violations.—BIS is directed to continue providing a quarterly report regarding the compliance of ZTE Corporation with the settlement agreement and relevant export control laws, consistent with direction provided in Senate Report 116 127 and adopted by Public Law 116–93.

ECONOMIC DEVELOPMENT ADMINISTRATION

The agreement includes $346,000,000 for the programs and administrative expenses of the Economic Development Administration (EDA). Section 521 of this Act includes a rescission of $10,000,000 in Economic Development Assistance Programs balances. Such funds shall be derived from recoveries and unobligated grant funds that were not appropriated with emergency or disaster relief designations.

Allocation of CARES Act Funds.—House language regarding the Allocation of CARES Act Funds is adopted with the clarification that the requirement for future spend plans to include details about the geographic allocations of funds shall only apply to funds provided in supplemental appropriations acts. Additionally, EDA shall report to the Committees, no later than 30 days after the end of each fiscal year, on the geographic distribution of funds, by program, awarded during such preceding fiscal year.

ECONOMIC DEVELOPMENT ASSISTANCE PROGRAMS

The agreement includes $305,500,000 for Economic Development Assistance Programs (EDAP). Funds are to be distributed as follows; any deviation of funds shall be subject to the procedures set forth in section 505 of this Act:

ECONOMIC DEVELOPMENT ASSISTANCE PROGRAMS

(In thousands of dollars)

Program	Amount
Public Works	$119,500
Partership Planning	33,500
Technical Assistance	10,000
Research and Evaluation	1,500
Trade Adjustment Assistance	13,500
Economic Adjustment Assistance	37,500
Assistance to Coal Communities	33,500
Assistance to Nuclear Closure Communities	16,500
Regional Innovation Program Grants	38,000
STEM Apprenticeships	2,000
Total, Economic Development Assistance Programs	$205,500

In selecting EDAP projects, EDA shall consider geographic equity and ensure that projects in rural areas are adequately represented among those selected for funding.

In addition, EDA is directed to coordinate with regional development organizations to support projects that address rural economic development challenges, including the opioid epidemic, broadband access, and the need for innovation in legacy industries, including in the use and value-added manufacturing of forest products.

EDA is encouraged to use funding provided for EDAP to support broadband infrastructure projects, particularly in underserved areas, and public-private partnerships in distressed communities seeking to diversify their local workforce. EDA is further encouraged to consider outdoor recreation projects that are consistent with a region's Comprehensive Economic Development Strategy, as well as projects in communities looking to expand the presence of aeronautics-related industries. EDA is also reminded of the need to continue to improve its technical assistance outreach and capabilities, especially in communities that have been affected by the decline of the manufacturing economy and those which are poorly positioned to produce technically sufficient proposals.

Further, EDA shall ensure, to the greatest extent practicable, that its grant programs avoid duplication and overlap with any other Federal grant programs.

Economic Adjustment Assistance (EAA).—Within funding for EAA, the agreement provides no less than the fiscal year 2020 enacted level to support EDA's collaborations with the Delta Regional Authority, the Appalachian Regional Commission, and the Northern Border Regional Commission to assist distressed communities. Eligible activities for the Northern Border Regional Commission collaboration shall contribute to the recovery of forest-based economies and may include support for forest-based businesses, outdoor recreation infrastructure, and activities that assist in the recruitment and retention of employees in rural communities within the territory.

Regional Innovation Program (RIP).—The agreement provides $38,000,000 to EDA for grants under RIP, also referred to as Build to Scale (B2S). Of the amount provided for RIP grants, no less than $30,000,000 shall be for the i6 Challenge, also referred to as the B2S Venture Challenge, and no less than $6,000,000 shall be for Seed Fund Support, also referred to as the B2S Capital Challenge. As part of the fiscal year 2021 spend plan, EDA is directed to provide a detailed justification for any funding provided herein that is intended to be used to support a B2S Industry Challenge in fiscal year 2021.

EDA shall continue to ensure that RIP awards go to multiple grantees in multiple and diverse geographic areas, including an increased focus on organizations and States that have not previously received funding from the program. Furthermore, within funds provided for RIP, EDA shall award not less than 40 percent of grants to support rural communities.

New Forest Products.—Many forest based economies have experienced disruption and decline in recent years. EDA is encouraged to work, including through RIP, with communities and regions that have been adversely impacted by rapid changes in the timber and pulp marketplaces and to support projects that help these communities develop related industries, including commercialization of new forest products using low-grade wood. This work may include the coordination of economic development efforts across multiple States or Economic Development Districts.

Energy Efficiency Projects.—The agreement encourages EDA to provide technical guidance for any applicants interested in funding for energy efficiency projects under the Economic Adjustment Assistance program.

Science, Technology, Engineering, and Math (STEM) Apprenticeship.—The agreement adopts House language on the STEM Apprenticeship Pilot Program and provides $2,000,000. Within these funds, the Committee directs EDA to prioritize implementation grants.

Technical Assistance to Distressed Small, Rural, and Underserved Communities.—Within the increase provided to the Technical Assistance program, EDA is encouraged to support non-profit organizations to assist economically distressed small, rural, and underserved communities in pre-development activities associated with accessing EDA programs and services.

SALARIES AND EXPENSES

The agreement includes $40,500,000 for EDA salaries and expenses.

MINORITY BUSINESS DEVELOPMENT AGENCY

MINORITY BUSINESS DEVELOPMENT

The agreement includes $48,000,000 for the Minority Business Development Agency (MBDA), an increase of $6,000,000 above the fiscal year 2020 level. The agreement directs MBDA to allocate $32,000,000 of its total appropriation toward cooperative agreements, external awards, and grants. The agreement provides $9,000,000 for the Broad Agency Announcements (BAA) program. MBDA is directed to focus awards on innovation and entrepreneurship, formerly incarcerated persons, global women's empowerment, virtual business development, and access to finance. Further, of the funds provided for the BAA program, $1,500,000 shall be for the HBCU/HSI Entrepreneurship Pilot as described in the House report and to include Tribal Colleges and Universities and Alaska Native and Native Hawaiian Serving Institutions.

Business Centers.—The agreement provides not less than $18,000,000 to continue MBDA's traditional Business Center program and Specialty Project Center program. MBDA is directed to execute the scheduled re-compete and to ensure no lapse in Business Center services occurs while the re-compete is ongoing. As part of this process, MBDA is encouraged to consider applications from historically underserved regions of the country and is directed to operate at least one Business Center in each State with a plurality or a majority population of a national minority group.

ECONOMIC AND STATISTICAL ANALYSIS

SALARIES AND EXPENSES

The agreement includes $111,855,000 for Economic and Statistical Analysis.

Outdoor Recreation Satellite Account (ORSA).—The agreement provides not less than $1,500,000 to continue implementing the Outdoor Recreation Jobs and Economic Impact Act of 2016 (Public Law 114–249). The Bureau of Economic Analysis (BEA) is directed to continue working with the outdoor recreation industry, nongovernmental organizations, and other interested stakeholders to refine the national-level statistics and to continue developing regional statistics. House report language is modified to clarify that BEA shall provide appropriate support to the Department of Labor in any workforce needs study the Department of Labor may undertake that builds upon the information provided by ORSA.

Income Growth Indicators.—BEA is directed to continue development of income growth indicators, including providing annual reports about income growth in each decile of the income distribution.

BUREAU OF THE CENSUS

The agreement includes $1,106,644,000 for the Bureau of the Census.

CURRENT SURVEYS AND PROGRAMS

The bill provides $288,403,000 for the Current Surveys and Programs account of the Bureau of the Census.

Survey of Income and Program Participation (SIPP).—The agreement rejects the proposed cut to SIPP and provides no less than the fiscal year 2020 enacted level for this survey.

PERIODIC CENSUSES AND PROGRAMS

(INCLUDING TRANSFER OF FUNDS)

The bill provides $818,241,000 in direct appropriations for the Periodic Censuses and Programs account of the Bureau of the Census. The agreement expects the availability of more than $1,000,000,000 in prior year funds will provide the Census Bureau sufficient funding to fully support its operational requirements in fiscal year 2021, specifically as they relate to the 2020 Decennial Census. The agreement assumes the combination of prior year funds and fiscal year 2021 direct appropriations will provide the Census Bureau with $1,664,709,000 in available funds, of which $934,430,000 will directly support the 2020 Decennial Census, as requested, and in line with the Department's revised Independent Cost Estimate. The agreement also makes available $91,000,000 identified as fiscal year 2021 contingency reserve for the 2020 Decennial Census in the Independent Cost Estimate. In addition, the agreement expects that within available funds the Census Bureau will fully support efforts to establish the Data Ingest and Collection for the Enterprise (DICE), the next generation of the Census Enterprise Data Collection and Processing (CEDCaP) program.

Quarterly Status Reports.—The Census Bureau is directed to continue its quarterly status reports to the Committees until the tabulations of populations required under 13 U.S.C. 141(c) are reported to the States.

2020 Census Operations Evaluation.—Within one year of enactment of this Act, the Census Bureau shall submit an initial report to the Committee evaluating the 2020 Census operations, the ability to reach hard-to-count populations, initial assessments of data quality, as well as the costs and the adequacy of resource allocation throughout the Decennial Census cycle. As part of this evaluation, the Bureau should include elements such as modified operations, and the use of secretarial and risk-based contingency funds.

2020 Census Data Availability.—The Bureau is encouraged to work closely with stakeholders representing public interests, the Census Advisory Committees, and the data user community to ensure the availability of accurate data products for use by the public. The Bureau should continue seeking regular feedback from data users on disclosure avoidance and to evaluate privacy protection methods being considered for other Bureau data programs.

Ensuring the Integrity and Security of Surveys and Data.—The agreement clarifies House report language and directs the Census Bureau to coordinate with the Department of Homeland Security, and other relevant agencies, to prepare for, prevent, and disrupt cyber intrusions and disinformation campaigns that have the potential to impact survey participation or compromise data collected by the Census Bureau. The Bureau should also coordinate with State and local stakeholders and private industry, as appropriate. The agreement expects the Census Bureau to prioritize these efforts and to update the Committee on its efforts.

Utilizing Libraries and Community Partners for Census Surveys.—The Census Bureau is encouraged to continue its partnership with public libraries and other community technology centers to maximize the response to the American Community Survey and other surveys and assessments as appropriate. The Bureau is encouraged to work with libraries and library organizations, in coordination with the Institute of Museum and Library

Services, regarding training for library staff and webinars or conference presentations to library audiences about Census surveys and assessments.

Website Modernization.—The agreement supports the Census Bureau's efforts to implement the requirements of the 21st Century Integrated Digital Experience Act (IDEA) (Public Law 115–336) which will enable the Bureau to improve digital service delivery and data dissemination. The Bureau is further encouraged to implement requirements that effectively modernize the Bureau's public-facing digital services and to leverage cloud services for its website to help achieve cost savings, efficiencies, and compliance with the IDEA website modernization requirements.

American Community Survey (ACS).—The agreement supports the ACS and directs the Bureau to continue using the ACS as a testbed for innovative survey and data processing techniques that can be used across the Bureau. In executing the ACS, the Bureau should ensure that rural areas are covered with the same accuracy as urban areas to the maximum extent practicable.

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION

SALARIES AND EXPENSES

The agreement includes $45,500,000 for the salaries and expenses of the National Telecommunications and Information Administration (NTIA). The allocation of funding provided in the table in the House report is not adopted. Instead, the agreement provides (1) up to $7,500,000 for broadband mapping in coordination with the Federal Communications Commission (FCC); (2) no less than the fiscal year 2020 enacted amount for Broadband Programs; (3) $308,000 for Public Safety Communications; and (4) no less than $3,000,000 above the fiscal year 2020 enacted level for Advanced Communications Research. Further, the agreement directs the additional funds for Advanced Communications Research be used to procure and maintain cutting-edge equipment for research and testing of the next generation of communications technologies, including 5G, as well as to hire staff as needed. The agreement further encourages NTIA to improve the deployment of 5G and spectrum sharing through academic partnerships to accelerate the development of low-cost sensors. For fiscal year 2021, NTIA is directed to follow prior year report language, included in Senate Report 116–127 and adopted in Public Law 116–93, on the following topics: Federal Spectrum Management, Spectrum Management for Science, and the Internet Corporation for Assigned Names and Numbers (ICANN).

Spectrum Management System.—The agreement encourages NTIA and the Department to consider alternative proposals to fully fund the needed upgrades to its spectrum management system, including options outside of direct appropriations, and is directed to brief the Committees regarding possible alternative options no later than 90 days after enactment of this Act.

Next Generation Broadband in Rural Areas.—NTIA is encouraged to ensure that deployment of last-mile broadband infrastructure is targeted to areas that are currently unserved or underserved, and to utilize public-private partnerships and projects where Federal funding will not exceed 50 percent of a project's total cost where practicable.

National Broadband Map Augmentation.—NTIA is directed to engage with rural and Tribal communities to further enhance the accuracy of the national broadband availability map. NTIA should include in its fiscal year 2022 budget request an update on rural- and Tribal-related broadband availability and access trends, challenges, and Federal actions to achieve equitable access to broadband services in currently underserved communities throughout the Nation. Furthermore, NTIA is encouraged, in coordination with the FCC, to develop and promulgate a standardized process for collecting data from State and local partners.

Domain Name Registration.—NTIA is directed, through its position within the Governmental Advisory Committee, to work with ICANN to expedite the establishment of a global access model that provides law enforcement, intellectual property rights holders, and third parties with timely access to accurate domain name registration information for legitimate purposes. NTIA is encouraged, as appropriate, to require registrars and registries based in the United States to collect and make public accurate domain name registration information.

UNITED STATES PATENT AND TRADEMARK OFFICE

SALARIES AND EXPENSES

(INCLUDING TRANSFERS OF FUNDS)

The agreement includes language making available to the United States Patent and Trademark Office (USPTO) $3,695,295,000, the full amount of offsetting fee collections estimated for fiscal year 2021 by the Congressional Budget Office. The agreement transfers $2,000,000 to the Office of Inspector General to continue oversight and audits of USPTO operations and budget transparency.

The Secretary and the USPTO Director are directed to continue working with ITA and the Department of State to ensure that USPTO's intellectual property attachs are included in discussions and negotiations at the counselor rank and above.

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

The agreement includes $1,034,500,000 for the National Institute of Standards and Technology (NIST).

SCIENTIFIC AND TECHNICAL RESEARCH AND SERVICES

(INCLUDING TRANSFER OF FUNDS)

The agreement provides $788,000,000 for NIST's Scientific and Technical Research and Services (STRS) account, including an increase of $16,350,000 for adjustments to base. The agreement adopts the following within STRS: (1) House direction on Quantum Information Science and provides $6,500,000 above the fiscal year 2020 enacted amount; (2) House direction on Greenhouse Gas Program and Urban Dome Initiative and $200,000 above the fiscal year 2020 enacted amount; (3) House direction on Direct Air Capture and Carbon Dioxide Removal and $3,000,000; and (4) House direction on Forward Looking Building Standards. For fiscal year 2021, NIST is directed to follow prior year report language, included in Senate Report 116–127 and adopted in Public Law 116–93, on the following topics: Helmet Safety and Facial Recognition Vendor Test. House language regarding 5G telecommunications funding is not adopted.

NIST Diversity and Inclusion.—NIST is encouraged to take discrete steps to promote racial and cultural acceptance and diversity within its workforce. Within 180 days of enactment of this Act, NIST is directed to submit a report analyzing the current racial and cultural makeup of the agency; planned efforts to recruit, retain, and advance applicants and employees critical to promoting greater racial and cultural diversity, and the outcomes of these efforts; and any additional steps and recommendations planned to promote greater racial and cultural acceptance and diversity throughout the NIST workforce, including the development and analysis of metrics to evaluate success.

Artificial Intelligence (AI).—The agreement includes no less than $6,500,000 above the fiscal year 2020 level to continue NIST's research efforts related to AI and adopts House language on Data Characterization Standards in AI.

House language on Framework for Managing AI Risks is modified to direct NIST to establish a multi-stakeholder process for the development of an AI Risk Management Framework regarding the reliability, robustness, and trustworthiness of AI systems. Further, within 180 days of enactment of this Act, NIST shall establish the process by which it will engage with stakeholders throughout the multi-year framework development process.

Cybersecurity.—The agreement includes no less than the fiscal year 2020 enacted level for cybersecurity research, outreach, industry partnerships, and other activities at NIST, including the National Cybersecurity Center of Excellence (NCCoE) and the National Initiative for Cybersecurity Education (NICE). Within the funds provided, the agreement encourages NIST to establish additional NICE cooperative agreements with regional alliances and multi-stakeholder partnerships for cybersecurity workforce and education.

Cybersecurity of Genomic Data.—The agreement includes no less than $1,250,000 for NIST and NCCoE to initiate a use case, in collaboration with industry and academia, to research the cybersecurity of personally identifiable genomic data, with a particular focus on better securing deoxyribonucleic acid sequencing techniques, including clustered regularly interspaced short palindromic repeat (CRISPR) technologies, and genomic data storage architectures from cyber threats. NIST and NCCoE should look to partner with entities who have existing capability to research and develop state-of-the-art cybersecurity technologies for the unique needs of genomic and biomedical-based systems.

Industrial Internet of Things (IIoT).—The agreement includes no less than the fiscal year 2020 enacted amount for the continued development of an IIoT cybersecurity research initiative and to partner, as appropriate, with academic entities and industry to improve the sustainable security of IIoT devices in industrial settings.

Measurement Science Research for Advanced Manufacturing.—The agreement modifies House language on Measurement Science Research for Advanced Manufacturing to encourage NIST to prioritize new STRS funds for this work.

Pyrrhotite in Concrete Aggregate.—The agreement provides no less than $2,000,000 for NIST to partner with academic institutions to study and develop a reliable and cost-effective standard for testing for the presence of excessive pyrrhotite in concrete.

Forensic Sciences.—The agreement provides an increase of $1,000,000 above the fiscal year 2020 level for forensic sciences, including no less than $3,150,000 to support the Organization of 22 Scientific Area Committees, and no less than $1,200,000 to support technical merit evaluations.

Training Officers of the Court.—No later than 90 days after enactment of this Act, NIST is directed to submit a plan for how to implement training to help officers of the court understand the science and concepts underlying the professional analyses of forensic experts. The plan should include staffing needs, necessary funding required, and possible topics of instruction.

Plastics and Polymeric Materials.—The agreement provides an increase of $250,000 above the fiscal year 2020 enacted amount, for competitive external grants for academic institutions to investigate plastic and polymeric materials, as well as novel methods to

characterize both known and newly developed materials. Such investigations should address ways to increase the strength of recycled plastics and better understand mechanical properties including tensile stress, compressive stress, thermal properties, and nanostructure of polymeric materials that could serve as industry standards for recycled plastic products.

Graphene Research and Commercialization.—The agreement includes no less than the fiscal year 2020 enacted amount for NIST to fund and pursue graphene research activities with industry and academic institutions that have expertise, existing capabilities, and infrastructure related to the commercial application of graphene.

Unmanned Aerial Vehicle (UAV) Challenges and Credentialing.—The agreement includes a total of $3,250,000 for NIST's UAV research challenges and credentialing program. Within the funding provided, NIST shall continue to partner with academic institutions to execute UAV prize-based challenges that focus on expanding the role that UAVs could play in emergency response operations. In addition, NIST shall use no less than $1,000,000 of the funding provided to partner with relevant academic institutions to establish the measurements and standards infrastructure necessary for credentialing remote pilots. This effort should include implementation and demonstration of distributed pilot training and evaluation using standard test methods and also support flight test simulations.

Public Health Risk to First Responders.—The agreement provides no less than the fiscal year 2020 enacted level for NIST to continue the study of new and unused personal protective equipment worn by firefighters to determine the prevalence and concentration of per-and polyfluoroalkyl substances (PFAS) in the equipment, as well as the extent to which PFAS may be released from the gear during normal wear and under what conditions.

INDUSTRIAL TECHNOLOGY SERVICES

The agreement includes $166,500,000 in total for Industrial Technology Services, including $150,000,000 for the Hollings Manufacturing Extension Partnership, an increase of $4,000,000 above the fiscal year 2020 enacted level. The agreement further provides $16,500,000 for the Manufacturing USA Program, formerly known as the National Network for Manufacturing Innovation. Within the funding provided for Manufacturing USA, no more than $5,000,000 may be used for coordination activities, of which up to $1,000,000 may be used to support the U.S. Food and Drug Administration's participation in biomanufacturing innovation institutes; $10,000,000 shall be used for the continuation of the existing NIST-funded institute; and $1,500,000 shall be for a competitive grant program to develop technology roadmaps for promising advanced manufacturing clusters.

CONSTRUCTION OF RESEARCH FACILITIES

The agreement includes $80,000,000 for Construction of Research Facilities, of which no less than $70,000,000 is for NIST to address its most pressing Safety, Capacity, Maintenance, and Major Repairs projects.

Facilities Report.—NIST is directed to contract with an independent entity to develop a report that assesses the comprehensive capital needs of NIST's campuses. The report, at a minimum, should identify facilities in greatest need of repair, describe the work needed to bring them up to current standards, and include cost estimates for each project. NIST shall provide the report with its recommendations to the Committees no later than 1 year after the date of the contract agreement between NIST and the contracted entity.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Coastal Inundation Forecasting and Resilience.—House direction regarding Coastal Inundation Forecasting and Resilience is modified to direct the National Oceanic and Atmospheric Administration (NOAA), rather than the Office of Oceanic and Atmospheric Research, to develop and initiate a cross-line office research agenda as described in the House report. As part of this effort, NOAA shall consider the establishment of a Cooperative Institute for Coastal Resilience and Adaptation that could benefit existing coastal resilience programs by providing additional research, data collection, experience, and strengthened relationships with institutions conducting coastal resilience and adaptation research and applied science activities.

OPERATIONS, RESEARCH, AND FACILITIES

(INCLUDING TRANSFER OF FUNDS)

The agreement includes a total program level of $4,103,971,000 under this account for NOAA's coastal, fisheries, marine, weather, satellite, and other programs. This total funding level includes $3,840,300,000 in direct appropriations, a transfer of $246,171,000 from balances in the ''Promote and Develop Fishery Products and Research Pertaining to American Fisheries'' fund, and $17,500,000 derived from recoveries of prior year obligations.

The following narrative descriptions and tables identify the specific activities and funding levels included in this Act.

National Ocean Service (NOS).—$619,700,000 is for NOS Operations, Research, and Facilities.

NATIONAL OCEAN SERVICE

Operation, Research and facilities

(In thousands of dollars)

Program	Amount
Navigation, Observations and Positioning:	
Navigation, Observations and Positioning	$162,500
Hydrographic Survey Priorities/Contracts	32,000
IOOS Regional Observations	40,500
Navigation, Observations and Positioning	235,000
Coastal Science and Assessment:	
Coastal Science, Assessment, Response and Restoration	86,500
Competitive Research	21,000
Coastal Science and Assessment	107,000
Ocean and Coastal Management and Services:	
Coastal Zone Management and Services	46,700
Coastal Zone Management Grants	78,500
National Oceans and Coastal Security Fund	34,000
Coral Reef Program	33,000
National Estuarine Research Reserve System	28,500
Sanctuaries and Marine Protected Areas	56,500
Ocean and Costal Management and Services	277,200
Total, National Ocean Service, Operations, Research, and Facilities	$619,700

Navigation, Observations and Positioning.—The agreement rejects all of the proposed decreases within Navigation, Observations and Positioning and directs NOS to follow prior year direction adopted in Public Law 116-93, on the distribution of Geospatial Modeling Grants.

Hydrographic Research and Technology Development.—The agreement supports the intended use of funds requested for Hydrographic Research and Technology Development and provides an additional $1,000,000 above the fiscal year 2020 level for these purposes. In addition, the agreement provides $2,000,000 above the request for NOAA to continue supporting joint ocean and coastal mapping centers in other areas of the country as authorized by the Omnibus Public Land Management Act of 2009 (Public Law 111–11). Additional funding is provided for the designation of additional joint ocean and coastal mapping centers in order to provide steady funding for existing centers. NOAA shall not decrease funding levels for any existing centers.

Ocean Mapping and Coastal Charting.—Within Navigation, Observations and Positioning, the agreement provides $2,000,000 for NOS to coordinate and implement an interagency mapping, exploration, and characterization strategy for the U.S. Exclusive Economic Zone, as well as the Arctic and sub-Arctic shoreline and nearshore of Alaska. For the latter activity, NOAA shall work closely with the Alaska Mapping Executive Committee and the State of Alaska to ensure that mapping efforts are coordinated and adhere to the priorities identified in the Alaska Coastal Mapping Strategy.

Precision Navigation.—As NOS concludes its two ongoing precision navigation pilots in fiscal year 2021, NOAA is directed to begin making preparations to commence additional precision navigation projects. The agreement supports the consideration of all U.S. seaports identified in the February 2020 Precision Navigation Socioeconomic Study for inclusion in the next precision navigation project and directs that preference shall be given to U.S. seaports that have immediate access to multiple interstate and railroad systems and at least 10,000 miles of inland waterway connections, are ranked within the top 15 by total tonnage of goods shipped and received, and which are currently performing or scheduled to perform channel expansion to accommodate larger draft vessels or already have such capacity.

Coastal Survey Data.—NOS is directed to submit a report to the Committees, within one year of enactment of this Act, on progress it has made toward conducting comprehensive coastal survey work in Alaska. The report shall detail steps taken to implement NOAA's strategy, developed pursuant to section 3 of the 2019 Presidential Memorandum on Ocean Mapping of the United States, for mapping the Arctic and sub-Arctic shoreline and nearshore of Alaska.

Modernization of the Vertical Datum.—The agreement provides no less than the fiscal year 2020 enacted level for the Gravity for the Re-Definition of the American Vertical Datum initiative within the Geodesy program.

Hydrographic Surveys and Contracts.—For fiscal year 2021, NOS shall follow prior year direction adopted in Public Law 116–93, on the following topics: Hydrographic Surveys and Contracts and Hydrographic Charting in the Arctic.

Integrated Ocean Observing System (IOOS).—The agreement includes $40,500,000 for IOOS Regional Observations and directs NOS to expand the regional underwater profiling gliders program consistent with House direction as well as for disaster response and the forecasting of freshwater and marine water quality.

Coastal Science, Assessment, Response and Restoration.—The agreement provides no less than the fiscal year 2020 enacted level for the Gulf of Mexico Disaster Response Center (DRC), and directs NOS to continue to prioritize full staffing of the DRC in fiscal year 2021. Additionally, the recommendation includes $1,000,000 above the fiscal year 2020 enacted level for the Disaster Preparedness Program.

Marine Debris Program.—The agreement provides no less than $9,000,000 for the Marine Debris program and adopts House language on the topic. NOS is encouraged to prioritize funding for projects in urban communities that support waterway cleanup efforts to remove any and all forms of marine debris, projects in rural and remote communities that lack infrastructure to address their marine debris problems, and projects

that address the impact of marine debris in fresh water systems that are a source of drinking water.

National Centers for Coastal Ocean Science (NCCOS).—The agreement provides $47,000,000 for NCCOS. NOS is directed to consider expanding NCCOS's efforts related to coastal sustainability and resilience, including assessing the effects of land-use on coastal and marine resources, measuring societal benefits of coastal restoration and green infrastructure, encouraging citizen science monitoring of coastal and marine resources, and assessing the adaptive capacity of human communities to coastal hazards.

Harmful Algal Blooms (HABs).—Across NOS, the recommendation includes an additional $5,500,000 for HABs work as compared to fiscal year 2020. House direction and an increase of $1,000,000 above the fiscal year 2020 enacted level is adopted for NCCOS's HABs work. The agreement also adopts House direction and provides $2,500,000 to continue and expand the IOOS-sponsored pilot programs launched in fiscal year 2020 to enhance the monitoring and detection of HABs. In addition, the agreement provides up to $1,000,000, from within funds allocated to the IOOS-sponsored pilot programs, for IOOS to establish an initial HABs monitoring and detection test bed in the Gulf of Mexico. The agreement expects that the test bed will deploy, operate, and test a range of technologies and also determine the data management and dissemination needs for operating and maintaining a complete end-to-end HABs detection and monitoring system. The agreement encourages the testbed to be established in an area that has experienced HABs in recent years and which has existing expertise, infrastructure, and collaboration between IOOS, an IOOS regional association, and academic and State partners that can be readily leveraged.

The agreement provides $21,000,000 for Competitive Research, including not less than $13,000,000 for HABs research, and adopts House direction for these funds. From within these funds, the agreement also provides up to $2,000,000 to explore innovative methods to increase monitoring and detection of HABs in freshwater systems by partnering with a consortium of academic institutions with expertise in unmanned aircraft systems.

Sea Level Rise and Coastal Resilience.—The agreement provides an increase of $2,000,000 above the fiscal year 2020 enacted level within Coastal Science, Assessment, Response and Restoration to address the increasing risk of coastal inundation due to sea level rise consistent with House direction. From within these increased funds, up to $1,000,000 shall be applied to the new Hydrology and Water Resources Cooperative Institute described in the National Weather Service section of this explanatory statement to accelerate the Integrated Water Prediction (IWP) program and inform NOAA's broader efforts on coastal inundation and resilience.

Regional Data Portals.—Within funding provided for Coastal Zone Management and Services, $2,500,000 is for the regional ocean partnerships, or their equivalent, to enhance their capacity for sharing and integration of Federal and non-Federal data to support regional coastal, ocean, and Great Lakes management priorities.

Ocean Economy of the Territories.—The agreement adopts House direction and funding for NOAA to include the five U.S. territories in the estimate of the ocean economy.

Aquatic Invasive Species.—NOAA is directed to establish the Coastal Aquatic Invasive Species Mitigation Grant Program and Mitigation Fund, as authorized by the Vessel Incident Discharge Act of 2018 (Public Law 115–282).

National Oceans and Coastal Security Fund.—The agreement provides $34,000,000 for the National Oceans and Coastal Security Fund, also known as the Title IX Fund or the National Coastal Resilience Fund. Of the amount provided, not less than $3,000,000 shall be for project planning and design.

Coral Reefs.—The recommendation provides $33,000,000 for the Coral Reef Program and adopts the House language. Within these funds, the agreement provides up to $8,500,000 for NOS to work with academic institutions and non-governmental research organizations to establish innovative active restoration projects to restore degraded coral reefs, such as projects like ''Mission: Iconic Reef.''

Marine National Monuments.—Within funding provided for Sanctuaries and Marine Protected Areas, up to $1,200,000 may be used for competitive research, management, and education grants for existing marine national monuments administered by NOS, provided that such grants are subject to a 100 percent non-Federal match.

Papahānaumokuākea Sanctuary Designation.—NOAA is directed to initiate the process under the National Marine Sanctuaries Act (16 U.S.C. 1431 et seq.) to designate the Papah?naumoku?kea Marine National Monument as a National Marine Sanctuary to supplement and complement, rather than supplant, existing authorities. NOAA shall provide the Committees an update on this designation before the end of fiscal year 2021.

National Marine Fisheries Service (NMFS).—$964,862,000 is for NMFS Operations, Research, and Facilities.

NATIONAL MARINE FISHERIES SERVICE

Operations, Research and Facilities
(In thousands of dollars)

Program	Amount
Protected Resources Science and Management:	
Marine Mammals, Sea Turtles, and Other Species	$125,164
Species Recovery Grants	7,000
Atlantic Salmon	6,500
Pacific Salmon	67,000
Protected Resources Science and Management	205,664
Fisheries Science and Management:	
Fisheries and Ecosystem Science Programs and Services	146,927
Fisheries Data Collections, Surveys, and Assessments	175,927
Observers and Training	55,468
Fisheries Management Programs and Services	123,836
Aquaculture	17,500
Salmon Management Activities	62,050
Regional Councils and Fisheries Commissions	41,500
Interjurisdicational Fisheries Grants	3,365
Fisheries Science and Management	625,573
Enforcement	75,000
Habitat Conservation and Restoration	57,625
Total, National Marine Fisheries Service, Operations, Research, and Facilities	$964,862

For fiscal year 2021, NMFS shall follow prior year Senate direction and, if applicable, funding levels adopted by Public Law 116–93 on the following topics: Promote and Develop Fisheries Products and Research Funding Transfer, Saltonstall-Kennedy Grant Program, NMFS Staffing, Hawaiian Monk Seal and Sea Turtles, Species Recovery Grants, Atlantic Salmon, Pacific Salmon, American Lobster and Jonah Crab Research, Electronic Monitoring and Reporting, International Fisheries Management Coordination, Bycatch Reduction, Atlantic Herring Stock Assessment, and Seafood Reporting. The agreement also adopts House language on Foreign Fisheries and provides $750,000 for this work, but does not adopt House language on Video Review of Electronic Monitoring Data. The agreement maintains the existing budget structure for Regional Councils and Fisheries Commissions.

False Killer Whales.—Within the funding provided for Marine Mammals, Sea Turtles, and Other Species, the agreement includes $1,000,000 for NMFS to study interactions between the U.S. fishing fleet and false killer whales in the Western Pacific.

Unusual Mortality Events (UMEs).—NMFS is directed to submit a report, within 90 days of enactment of this Act, showing how funds from the Unusual Mortality Event Fund have been disbursed during UMEs active within the past 10 years. The report shall include what specific services and incurred costs have been financed or reimbursed by NOAA as well as an overview of services provided by Tribal partners, including, but not limited to, carcass retrieval and shipment, regardless of whether or not compensation was provided for these services or related expenses were reimbursed.

North Atlantic Right Whale.—The agreement rejects the proposed reduction and provides an additional $2,000,000 above the fiscal year 2020 enacted level within Marine Mammals, Sea Turtles, and Other Species for North Atlantic right whale-related research, development, and conservation efforts. These additional funds shall be spent as outlined in the House language. Within funding provided, not less than $1,000,000 shall be to support the existing pilot program to develop, refine, and field test innovative lobster fishing gear technologies as directed in Public Law 116–93.

NOAA shall continue to support disentanglement, stranding response, necropsy activities, aerial surveys, and passive acoustic monitoring in the waters of the Atlantic Ocean, and is encouraged to develop a habitat suitability index and long-term tagging methods. Further, NMFS is directed to continue to work in coordination with counterparts in the Canadian government to reduce risks throughout the range of the North Atlantic right whale.

In any rulemaking regarding the North Atlantic right whale, NMFS shall incorporate recent research on the species' primary food source, *Calanus finmarchicus*, which indicates these zooplankton have decreased in abundance in the Gulf of Maine since 2010. NOAA is also directed to fully evaluate the feasibility, as well as the safety and economic implications, of any management actions relating to the North Atlantic right whale. Further, the North Atlantic right whale risk reduction target proposed by NMFS depends heavily on how unknown entanglements are assigned to individual fisheries and countries. Any misattributions of whale entanglements that NMFS has acknowledged must be considered by NMFS and incorporated in relevant rulemaking.

Risk Reduction Credit.—Should NOAA award risk reduction credit to any State as part of the current North Atlantic right whale take reduction management process, the agency shall also ensure that other States have the opportunity to receive credit for past management actions.

Assessment of Fishing Interference.—The agreement directs NMFS to undertake a review, no later than 90 days after enactment of this Act, to assess and better understand the occurrence of conflicts between dolphins and sharks and commercial, for-hire, and recreational fishing vessels in the Gulf of Mexico and South Atlantic. The review should provide: (1) a quantification, to the extent practicable within existing resources, of the degree to which dolphins and sharks interfere with commercial, charter, and recreational fishing; and (2) recommendations for non-lethal methods to deter dolphins and sharks from interfering with commercial, for-hire, and recreational fishing, in accordance with existing laws. NMFS shall report to the Committees on the results of the review no later than one year after the review is commenced. In conducting the review,

NMFS shall consult with the Marine Mammal Commission, the Gulf of Mexico Fishery Management Council, the South Atlantic Fishery Management Council, the Atlantic Highly Migratory Species Advisory Panel, and conduct outreach to commercial, for-hire, and recreational fishermen.

Northeast Groundfish Research.—Within funding provided for Fisheries and Ecosystem Science Programs and Services, the agreement provides $2,500,000 for Northeast groundfish research, with a focus on the effects of changing climatic conditions and warming waters on the fishery, including stock health and natural mortality. NOAA is further encouraged to prioritize research regarding relative gear efficiency, stock boundaries, and other topics that can improve groundfish stock assessments in the next five years. Within funding provided, $500,000 shall be obligated to develop methods for improving and increasing utilization of the full range of available fishery-dependent data to better inform groundfish stock abundance estimates. This should include a review of statistical strengths and weaknesses of existing bottom trawl surveys for different species and the development of alternative data sources and sampling methods that will augment and improve groundfish stock assessments as recommended in the 2020 report of the Groundfish Trawl Task Force. This funding is intended to support new and innovative research, including by the Northeast Fisheries Science Center (NEFSC), separately by, or in collaboration with, outside partners such as higher education institutions or State agencies, and in cooperation with the fishing industry.

Fisheries Information Systems Grants.—The agreement includes no less than the fiscal year 2020 enacted amount for Fisheries Information Systems grants.

Cooperative Research.—The agreement provides no less than $13,000,000 for the Cooperative Research program. NMFS is directed to prioritize trawl surveys that are designed and conducted cooperatively with industry and States to provide empirical measures of fish stock abundance, such as swept area biomass surveys. NMFS is encouraged to prioritize studies conducted cooperatively with States, industry, and nonprofit institutions using video systems deployed in commercial trawl nets for surveys. NMFS is also encouraged to focus on improving understanding of natural mortality and relative gear efficiency to ensure accurate measures of catchability.

The NEFSC is directed to consider prioritizing cooperative research efforts for species that are experiencing shifts in range and population density due to warming waters and other global environmental changes. Further, NMFS is encouraged to prioritize data collection that may be affected by offshore wind energy development.

Gulf Reef Fish.—Within funding for Fisheries and Ecosystem Science Programs and Services, the agreement includes no less than $2,000,000 for NMFS to support Gulf reef fish surveys, research, and sampling. NMFS is also encouraged to continue to collaborate with NOAA's Office of Oceanic and Atmospheric Research on the agency-independent reef fish population assessments funded within Sea Grant.

State Management for Recreational Red Snapper.—Within the amount provided for Fisheries Data Collections, Surveys, and Assessments, the agreement includes $5,000,000 for NMFS to continue to work with the Gulf States to ensure successful implementation of State management for recreational red snapper. The agreement reiterates past direction that these efforts shall be a top priority for NOAA, and that such efforts shall be done in coordination with the Gulf States.

Many are concerned by the results of recent efforts by NMFS to calibrate each Gulf State's catch data program to catch data derived by the Marine Recreational Information Program (MRIP), which in some cases resulted in significant discrepancies between the Federal and State catch statistics for red snapper. The discrepancies are large enough that it calls into question whether MRIP is providing the best account of the fishery, especially when available data from the Gulf States suggest otherwise. Therefore, before making any related regulatory changes, NMFS is directed to address the question of which data collection system (i.e., MRIP or the catch data programs administered by the Gulf States) are providing the best estimates of recreational red snapper catch in the Gulf of Mexico. The agreement includes $2,000,000, from within the funding provided to support State management of red snapper, for NMFS to contract with a non-governmental entity with expertise in statistics and fisheries-dependent data collection to provide the following: (1) an independent assessment of the accuracy and precision of both the Federal and State recreational catch data programs in the Gulf of Mexico; (2) recommended improvements to be made to the Federal and State recreational catch data programs in the Gulf of Mexico to improve accuracy and precision; and (3) an independent assessment, based on the results of the two prior items, of how best to calibrate the Federal and State recreational catch data programs in the Gulf of Mexico to a common currency.

South Atlantic Reef Fish.—The agreement provides no less than $1,800,000 with the instructions contained in the House report.

Data Collection for Recreational Fisheries.—The agreement includes no less than $3,500,000 within Fisheries Data Collections, Surveys, and Assessments, to support collaborative programs focused on improving recreational fishery data collection, as articulated in sections 102, 201, and 202 of Public Law 115–405. This funding should focus on assisting States to establish, test, and implement more reliable recreational fishery data collection tools, such as smartphone applications or text messaging supplements. In addition, NMFS is directed to support efforts by the Regional Fishery Management Councils to implement section 102 of Public Law 115–405, including the shared initiative between the Gulf of Mexico and South Atlantic Fishery Management Councils to establish a joint committee.

Northeast Multispecies Fishery.—NOAA is directed to fully fund the At-Sea Monitoring costs in the New England groundfish fishery, including sea and shore side infrastructure costs, and shall ensure the costs and benefits of At-Sea Monitoring are commensurate with the gross revenues of vessels in the fishery. The agreement provides no less than the fiscal year 2020 enacted amount within Observers and Training for this purpose. Before obligating any of these funds, NOAA shall provide the Committees with a detailed spending plan. The Committees also look forward to receiving the report requested by Public Law 116–93 outlining the current status of electronic monitoring and reporting technology for the Northeast multispecies fishery.

North Pacific Observer Coverage.—Within Observers and Training, the agreement includes no less than $7,500,000 for the North Pacific Observers Program. This additional funding shall be used to offset observer costs normally paid for by harvesters in fisheries that are undertaking a transition to electronic monitoring and reporting. Additionally, NOAA is encouraged to identify and implement any efficiencies that would mitigate the cost burden shouldered by small vessel operators in the fixed-gear fleet.

For-Hire Electronic Monitoring and Reporting Implementation.—The agreement provides no less than $2,250,000 within Fisheries Management Programs and Services and $1,500,000 within Enforcement to support the continued and timely implementation of electronic logbooks for the federally permitted charter-for-hire sector in the Gulf of Mexico.

Fisheries Surveys and Offshore Wind.—The agreement provides $500,000 within Fisheries and Ecosystem Science Programs and Services to ensure the continuity of fisheries survey data that may be affected by offshore wind energy development and $500,000 within Fisheries Management Programs and Services to support the permitting process.

Fisheries Surveys.— Within funds for Fisheries Data Collections, Surveys, and Assessments, the agreement provides $1,000,000 above the fiscal year 2020 enacted amount for NMFS fishery and ecosystem research surveys and directs NMFS take the necessary steps to ensure that historical levels of survey coverage are achieved without disruption in fiscal year 2021. At this funding level NMFS is expected to contract no fewer than six surveys for Alaskan bottom trawl surveys and cooperative research, including a survey to capture movement of fish populations out of historic survey areas, and no fewer than four vessels for West Coast groundfish surveys.

Northwest Fisheries Ecosystem Monitoring System.—Within funds for Fisheries Data Collections, Surveys, and Assessments, the agreement provides $500,000 to maintain a time-series monitoring system that includes no less than monthly data collection, analysis, and dissemination of hydrographic and ecological data to inform fishery management on the Northern California Current.

Western Atlantic Bluefin Tuna (ABFT).—Many are concerned by NOAA's April 2, 2020, rulemaking to reopen for commercial longline fishing two gear-restricted areas (GRAs) in the Gulf of Mexico that were previously closed annually during April and May to protect spawning ABFT. The hypothetical basis for this rulemaking—that all of the management measures previously in place for ABFT in the Gulf of Mexico may not be necessary in tandem and that such measures are inhibiting the harvest of other target species—is questioned because of the following facts: (1) the Gulf of Mexico is the primary spawning ground for ABFT, and recovery of the still depleted stock requires that spawning fish be protected; and (2) the management measures implemented in 2015, the Individual Bluefin Quota and time-area closures, have in tandem, not individually, reduced ABFT discards and catch during peak spawning months. Therefore, NOAA is directed to reconsider the decision to open the two GRAs in the Gulf of Mexico. If the status quo is maintained, NOAA shall increase monitoring efforts within the GRAs through 100 percent human observer coverage and by making publicly available all Gulf of Mexico ABFT catch data, broken down both inside and outside the GRAs, on a weekly basis and within one week of catch, during the months of April and May in order to allow for increased oversight to ensure that this rule does not result in the longline fishery exceeding their ABFT catch limits.

Harmful Drift Gillnets.—NMFS is encouraged to establish a pilot program to assist fishermen in replacing large-mesh drift gillnets with more sustainable gear and to consider actions to ban the use of drift gillnets in Federal waters off the coast of California.

Marine Aquaculture.—The agreement includes no less than $500,000 in the Aquaculture Program, Project, or Activity (PPA) for NMFS, in collaboration with NOS, to perform activities in support of the identification of at least two aquaculture opportunity

areas, as called for in section 7 of the May 7, 2020, Presidential Executive Order on Promoting American Seafood and Competitiveness and Economic Growth. The agreement also provides up to $500,000 above the fiscal year 2020 enacted level in the Aquaculture PPA to increase the amount of staff focused on aquaculture at all NMFS fisheries science centers. Within the funding provided, NOAA is encouraged to return staffing levels to those in fiscal year 2010 at the Northeast and Northwest Fisheries Science Centers.

Regional Pilots in Sustainable Aquaculture.—The agreement includes $2,000,000 in the Aquaculture PPA for the NMFS Aquaculture Office to continue the regional aquaculture pilot program, in partnership with the three interstate marine fisheries commissions, to establish partnerships between the seafood industry and community partners that can develop, validate, and deploy economically and environmentally sustainable aquatic farming techniques and regional business practices to grow domestic seafood production. To maximize the impact of these pilot grants, NMFS is encouraged to give priority consideration to promising but less commercially developed technologies, such as those targeting shellfish, seaweed, and other relative newcomers to the domestic aquaculture industry.

In addition, the agreement provides no less than $2,000,000 for the NMFS Aquaculture Office, in partnership with the Gulf States Marine Fisheries Commission, to partner with a university or consortium of universities to establish a multi-year demonstration pilot of an Integrated Multi-Trophic Aquaculture (IMTA) system in State waters of the Gulf of Mexico, which shall culture native species of finfish, bivalve mollusks, and macroalgae. The pilot is to be for research, training, and educational purposes only and should involve students, fishermen, and farmers, and shall endeavor to inform how to adapt IMTA methods and systems, in an environmentally and ecologically balanced manner, for deployment in warm water environments.

Salmon Management Activities.—Within the amount included for Salmon Management Activities, the agreement provides $39,500,000, an increase of $4,000,000 above the fiscal year 2020 enacted level, to enable NOAA, the Pacific States, and Tribal communities to continue activities in support of the obligations set forth in the renegotiated annex of the Pacific Salmon Treaty (PST). No less than $20,000,000 of the funds provided shall be made available to support ongoing and new implementation and mitigation activities for the PST. Before any of these funds may be obligated, NOAA is directed to provide the Committees with a detailed spending plan that is reflective of the funding recommendations produced by the U.S. section of the Pacific communities to continue activities in support of the obligations set forth in the renegotiated annex of the Pacific Salmon Treaty (PST). No less than $20,000,000 of the funds provided shall be made available to support ongoing Salmon Commission. In doing so, NOAA is directed to consult with the Pacific States, Tribal communities, and other stakeholders. Further, NOAA is encouraged to minimize, to the extent practicable, the amount of funds withheld for administrative expenses.

Salmon and Steelhead Monitoring.—The agreement recognizes that NOAA intends to continue funding research in fiscal year 2021 to monitor mortality of spring Chinook salmon in the Columbia River in order to understand the impacts of marine mammal predation. Not later than 60 days after submission of the President's budget for fiscal year 2022, NOAA is directed to brief the Committees on the research priorities of the Northwest Fisheries Science Center and the prospect of expanding research to include monitoring fall Chinook salmon and steelhead mortality from marine mammals.

Mitchell Act.—The agreement rejects the proposed reduction and provides not less than $22,000,000 for Mitchell Act mitigation hatchery programs, in recognition of the important cultural, ecological, and economic benefits that these programs provide for the people of the Columbia River Basin. NOAA is directed to continue genetic stock identification for salmon recovery and management.

Interstate Marine Fisheries Commissions.—Within the amount provided for Regional Councils and Fisheries Commissions, no less than $1,850,000 shall be for the three Interstate Marine Fisheries Commissions.

Northeast Lobster Enforcement.—Within Enforcement, the agreement includes no less than $750,000 for NMFS, in partnership with the relevant States, Joint Enforcement Agreement partner agencies, and the Atlantic States Marine Fisheries Commission, to establish a pilot cooperative offshore lobster enforcement program. The program shall endeavor to establish multi-year contracts with commercial vessels, which are not participating in the lobster fishery but are capable of hauling deep-set gear, to carry law enforcement officials to oversee inspection of offshore lobster gear. As part of the establishment of the program, NMFS shall consider (1) implementing measures to increase the tracking of vessels participating in the offshore lobster fishery and (2) how the resulting increase in enforcement and/or any enforcement actions (e.g., seizure of illegal gear) could count towards risk-reduction under the North Atlantic right whale take reduction program. NMFS shall report to the Committees in writing on the status of the program, beginning not later than 180 days after enactment of this Act, and every 90 days thereafter until the program is established.

Report on Illegal, Unreported, and Unregulated (IUU) Fishing.—In lieu of House language requesting a report on IUU enforcement and seafood traceability, NMFS is directed to provide a report, within 90 days of enactment of this Act, that summarizes ongoing efforts to prevent the importation of seafood harvested through IUU fishing and address imported seafood fraud. The report should include the following: (1) the volume and value of seafood species subject to the Seafood Import Monitoring Program (SIMP) imported during fiscal year 2020; (2) the enforcement activities carried out under SIMP; (3) the percentage of import shipments subject to SIMP selected for inspection or audit; (4) the number of instances of noncompliance with the SIMP requirements; (5) the seafood species in which such noncompliance were found to be the most prevalent; and (6) such other information that NMFS considers appropriate with respect to SIMP monitoring and enforcing compliance.

Definition of Illegal, Unreported, and Unregulated Fishing.—Not later than 90 days after enactment of this Act, NOAA shall revise existing regulations defining IUU fishing, provided in 50 C.F.R 300.201, to be consistent with the definition codified in section 3532(6) of Public Law 116–92.

Habitat Conservation and Restoration.—Within Habitat Conservation and Restoration, NOAA is encouraged to include a broader ecosystem-based management philosophy; expand criteria to include recreational species, managed commercial species, and forage species; and prioritize proposals that engage local communities. NOAA should also continue to emphasize the value of partnerships when evaluating grant applications.

Oyster Restoration.—The agreement provides $250,000 above the fiscal year 2020 enacted level within Habitat Conservation and Restoration to support oyster restoration in the Chesapeake Bay.

Marine National Monuments.—The Offices of Habitat Conservation and Protected Resources are encouraged to support competitive research and management grants for existing marine national monuments off of the continental United States administered by NMFS, provided such grants are subject to a 100 percent non-Federal match.

Office of Oceanic and Atmospheric Research (OAR).—$570,590,000 is for OAR Operations, Research, and Facilities.

OFFICE OF OCEANIC AND ATMOSPHERIC RESEARCH

Operations, Research, and Facilities

(In thousands of dollars)

Program	Amount
Climate Research:	
Climate Laboratories and Cooperative Institutes	$75,500
Regional Climate Data and Information	42,500
Climate Competitive Research	64,000
Climate Research	182,000
Weather and Air Chemistry Research:	
Weather Laboratories and Cooperative Institutes	85,500
U.S. Weather Research Program	26,500
Tornado Severe Storm Research/Phased Array Radar	14,382
Joint Technology Transfer Initiative	13,000
Weather and Air Chemistry Research	139,382
Ocean, Coastal, and Great Lakes Research:	
Ocean Laboratories and Cooperative Institutes	36,500
National Sea Grant College Program	75,000
Sea Grant Aquaculture Research	13,000
Ocean Exploration and Research	43,000
Integrated Ocean Acidification	15,500
Sustained Ocean Observations and Monitoring	45,408
National Oceanographic Partnership Program	3,000
Ocean, Coastal, and Great Lakes Research	231,408
High Performance Computing Initiatives	17,800
Total, Office of Oceanic and Atmospheric Research, Operations, Research, and Facilities	$570,590

The agreement adopts House direction and funding for Atmospheric Baseline Observatories as well as House language and an increase of $2,500,000 above the fiscal year 2020 enacted level for the Regional Integrated Sciences and Assessments program. Further, the agreement encourages NOAA to increase collaboration with the Department of Energy in its climate research and modeling efforts, including, as appropriate, the sharing of resources and the exchange of detailees, in order to minimize the duplication of efforts and to increase the cross pollination of ideas and research.

Earth's Radiation Budget.—The agreement adopts House language and provides $9,000,000 for Earth's Radiation Budget, and directs OAR to coordinate this work with the National Aeronautics and Space Administration (NASA), as appropriate.

VORTEX–USA.—The agreement provides $7,500,000 to initiate the implementation of a tornado warning improvement and extension program as authorized in the Weather Research and Forecasting Innovation Act of 2017 (Public Law 115–25), and to be known as VORTEX–USA. In developing the program plan and annual budget, as authorized by Public Law 115–25, OAR shall consider all options across the technology readiness scale to reduce the loss of life and economic damage caused by tornadoes, including expanding atmospheric observations, advancing radar technology, and improving the delivery of actionable weather information, and shall include as part of the program plan quantitative goals for improving the prediction of tornadoes by which the Committees can measure the success of any investments. The VORTEX–SE program shall continue and be closely coordinated with this broader initiative, and, within these funds, the agreement provides an increase of no less than $2,000,000 above the fiscal year 2020 level to expand the VORTEX–SE efforts.

U.S. Weather Research Program (USWRP).—The agreement rejects the proposal to cut base funding for USWRP. Within the funding provided for USWRP, no less than $13,000,000, an increase of $5,000,000 above the fiscal year 2020 enacted amount, is included for the Earth Prediction Innovation Center (EPIC) and House language on EPIC is adopted. Further, NOAA is expected to finalize and award the EPIC contract in fiscal year 2021, and continue building the community-based infrastructure so that participants can utilize external compute resources, including cloud technologies, to interface with the agency. It is also expected that NOAA will continue to centralize available observations used in operational models in a publicly accessible manner by leveraging cloud technology within the EPIC infrastructure.

Within funding for USWRP, the agreement provides $1,000,000 to support external opportunities with academic institutions in promising areas of weather-related research that may advance NOAA's mission and benefit society, including infrasonic monitoring methods of violent weather.

National Sea Grant College Program.—The agreement provides $75,000,000 for the National Sea Grant College Program, including an increase of $2,500,000 as compared to the fiscal year 2020 enacted level for the base program that funds universities in States around the country.

Fisheries-Related Research.—The agreement includes $2,500,000 within Sea Grant to fully fund the project initiated in fiscal year 2020 to develop agency-independent estimates of the abundance of greater amberjack in the Gulf of Mexico. Within the funding provided, the Committee also encourages Sea Grant to establish a regional extension initiative for Gulf of Mexico reef fish.

American Lobster Research.—Within funding for the Sea Grant program, the agreement provides $2,000,000 for American lobster research as directed in Public Law 116–93.

Green Infrastructure.—The agreement provides $500,000 for the Sea Grant program to partner with local, regional, and State governments, as well as with non-governmental organizations, to research innovative techniques and use of low-impact development and green infrastructure practices to mitigate runoff from developed lands that contribute to nutrient-driven cyanobacteria blooms, and otherwise pollute freshwater aquatic systems, especially large lakes.

Contaminants of Emerging Concern.—The agreement provides $500,000 within the Sea Grant program to partner with State agencies and academic institutions to research and monitor contaminants of emerging concern that may cause ecological or human health impacts, including PFAS, in coastal and estuarine waters.

Microfiber Research.—The Sea Grant program is encouraged to support interdisciplinary research on the impact of microfiber pollution on aquatic environments that leverages public-private partnerships and focuses on identifying and characterizing microfibers in textile products, as well as determining their impact on aquatic environments and species.

Sea Grant Aquaculture Research.—The agreement provides $13,000,000 for Sea Grant Aquaculture Research. NOAA is directed to support marine aquaculture research and development in partnership with universities, including with Historically Black Colleges and Universities and Tribal Colleges and Universities. Similar research efforts have led to beneficial outcomes such as the development and commercialization of new technologies to meet the domestic demand for seafood, including finfish, shrimp, and oysters.

Ocean Exploration and Research.—The agreement provides $43,000,000 for Ocean Exploration and Research. Within the funding provided, OAR is directed to accelerate efforts to map and characterize America's Exclusive Economic Zone and Extended Outer Continental Shelf, including by maximizing the amount of funding provided for the Ocean Exploration Cooperative Institute and supporting competitive awards for deep ocean acoustic research. NOAA is also encouraged to work with the Department of Defense and other relevant agencies to continue fundamental ocean exploration in which open source data are collected for the oceanographic community and private industries in real-time through telepresence technology.

National Weather Service (NWS).—$1,100,776,000 is for NWS Operations, Research, and Facilities.

NATIONAL WEATHER SERVICE

Operations, Research, and Facilities

(In thousands of dollars)

Program	Amount
Observations	$231,910
Central Processing	97,980
Analyze, Forecast and Support	537,000
Dissemination	78,362
Science and Technology Integration	155,524
Total, National Weather Service, Operations, Research, and Facilities	1,100,776

The agreement does not adopt House language on Data Sharing for Integrated Global Observing System and Global Basic Observing Network and includes up to $1,000,000 for Ship Observation Data Buys. For fiscal year 2021, NWS shall follow prior year direction regarding NWS Staffing in Alaska adopted in Public Law 116–93.

NEXRAD Coverage.—NOAA is directed to provide the Committees with a follow-up briefing with personnel from NWS and OAR to discuss best options and cost requirements of further supplementing the NEXRAD system with additional sources of observations regularly used by forecasters to predict severe weather in absence of complete radar coverage.

National Data Buoy Center (NDBC).—The agreement provides sufficient funding to maintain, at a minimum, NDBC operations at 80 percent data availability. NOAA is directed to provide adequate funding to support maintenance and service of the Tropical Atmosphere/Ocean Array and Deep Ocean Assessment and Reporting of Tsunamis Array across the equatorial Pacific, recognizing the importance of ensuring full tsunami prediction capacity. As part of the fiscal year 2021 spending plan, NOAA shall include a schedule to restore existing data buoy operability, including buoys damaged by hurricanes in calendar year 2020, and its strategy to minimize outages in the future.

National Mesonet Program.—The agreement provides no less than $22,200,000, an increase of $2,000,000 above the fiscal year 2020 enacted level, for the continuation and expansion of the National Mesonet Program. Of the funds provided, up to $750,000 may be used for Meteorological Assimilation Data Ingest System activities, and up to $500,000 may be used for costs associated with the National Mesonet Program Office.

The National Mesonet Program is encouraged to proactively work with other Federal agencies, including the National Science Foundation and the U.S. Geological Survey, to identify observations and platforms of opportunity in areas with sparse instrumentation that may be transferred to the National Mesonet Program. Further, the National Mesonet Program is encouraged to establish a profiler research testbed, using existing profiler networks that provide statewide observational capability, to use advanced technologies to sample the weather in the atmospheric boundary layer. NWS is directed to provide a briefing to the Committees about how such a profiler research testbed could be established.

Automated Surface Observing System (ASOS).—NWS is directed to ensure that rural and remote communities who disproportionately rely on ASOS operability for continued reliable air service are provided with additional resources, such as trained human observers, to continue observing capabilities in the event of an ASOS outage.

Climate Prediction Center.—NWS is directed, through the Climate Prediction Center, to engage with State agencies, non-profit organizations, academic institutions, and the general public in rural areas in the Mid-Atlantic United States that due to changes in climate have seen unseasonable and unexpected drought in order to improve drought monitoring and reporting.

Analyze, Forecast and Support (AFS).—The agreement provides an increase of $22,500,000 above the fiscal year 2020 enacted level for AFS and directs NWS to use the increased funding to reconcile previous year funding gaps and prioritize filling vacancies in currently understaffed weather forecast offices.

Environmental Processes in the Arctic.—Within the funding provided for AFS, the National Centers for Environmental Prediction is encouraged to develop capacity for seasonal to multiannual timescale predictions of environmental processes in the Arctic.

Tsunami Warning Program.—The agreement rejects NWS's proposed cut to the Tsunami Warning Program, including for the National Tsunami Hazard Mitigation program grants. Funding is provided at no less than $500,000 above the fiscal year 2020 enacted level to ensure that high-quality tsunami watches, warnings, and advisories are issued to safeguard lives and property. NWS is directed to expeditiously fill the current vacancies.

Tsunami Preparedness in Alaska.—NOAA is directed to work with other relevant Federal agencies, the State of Alaska, local governments, and area stakeholders to actively monitor Barry Glacier in Prince William Sound, Alaska, and tailor, as needed, its early warning tsunami systems to be prepared for a possible landslide-induced tsunami in the area. This effort should include, if appropriate, the deployment of sensors in strategic locations and the development of inundation models to inform emergency planning efforts.

Report on Weather Research Priorities.—In lieu of House language on a Weather Decadal, the agreement directs NOAA's Science Advisory Board to publish a report, not later than one year after enactment of this Act, that provides policymakers with the relevant information necessary to prioritize investments in weather forecasting, modeling, data assimilation, and supercomputing over the next ten years; and that evaluates future potential Federal investments in science, satellites, radars, and other observation technologies, to include surface and boundary layer observations, so that all domestic users of weather information can receive data in the most efficient and effective manner possible.

Office of Water Prediction (OWP).—The agreement provides no less than $34,500,000 for OWP, which receives funding across multiple NWS budget lines, and rejects the proposed decrease for OWP within AFS. The agreement maintains the direction adopted in previous fiscal years for NWS to continue to expedite hiring within the National Water Center (NWC) Water Prediction Operations Division and reach full operating capability no later than the end of fiscal year 2022. NOAA shall also continue to transition OWP personnel from other offices to the NWC, as

deemed necessary to improve effectiveness and efficiency. Within 45 days of enactment of this Act, NOAA is directed to provide the Committees with an updated staffing plan for the NWC.

The agreement also provides no less than the fiscal year 2020 enacted level to continue to expedite development of the National Water Model and other next-generation water modeling capabilities, and directs NWS to continue to expeditiously transition the water resources prediction capabilities developed by OWP, including flood inundation mapping products, into operations.

Hydrology and Water Resource Programs.—The agreement recognizes that the clear, present, and increasing threat of water-related hazards demands an increased commitment to and investment in water-related research and development to better support NOAA's existing and growing water-related operational services. Therefore, the agreement includes no less than $15,000,000 ($14,000,000 within NWS, Science Technology and Integration; and $1,000,000 within NOS, Coastal Science and Assessment) for NWS, in collaboration with NOS, to establish a new NOAA Cooperative Institute (CI), by no later than the end of fiscal year 2021, which is to focus solely on helping NOAA address the Nation's growing water-related challenges. The proposed CI should leverage talent and diversity from multiple universities to lead an interdisciplinary, systems-based research approach from mountains to tributaries, lakes and rivers, and ultimately to the coasts that will seed new and improved operational services for NOAA by improving our current understanding of the water cycle and our ability to observe and predict it. The CI shall deliver expertise and resources in the following areas of emphasis: hydroinformatics and community water resources modeling; geographic information systems and remote sensing, including snow depth and soil moisture; coastal inundation modeling and forecasting in collaboration with NOS; data assimilation; computational science and high performance computing; artificial intelligence; and machine learning. The proposed CI shall also prioritize the cultivation of the next-generation of water resources scientists and engineers who will be needed to tackle the grand challenges of 21st century water resources. NOAA should encourage and prioritize submissions from applicants that can demonstrate established collaboration with NOAA's water research programs, led by the National Water Center, as well as those of other pertinent Federal partners, principally the U.S. Geological Survey and Federal Emergency Management Agency.

Dissemination.—The agreement provides $78,362,000 for Dissemination which shall be used to cover adjustments to base and other mission-critical costs, including those needed to further strengthen and advance the NWS integrated dissemination platform.

National Environmental Satellite, Data and Information Service (NESDIS).—$291,533,000 is for NESDIS Operations, Research, and Facilities.

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

Operations, Research, and Facilities
(In thousands of dollars)

Program	Amount
Environmental Satellite Observing Systems:	
Office of Satellite and Product Operations	$189,099
Product Development, Readiness and Application	28,434
Office of Space Commerce	10,000
U.S. Group on Earth Observations	500
Environmental Satellite Observing Systems	228,033
National Centers for Environmental Information	63,500

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE—Continued

Operations, Research, and Facilities
(In thousands of dollars)

Program	Amount
Total, National Environmental Satellite, Data and Information Service, Operations, Research, and Facilities	$291,533

The agreement adopts the proposed technical transfers to the Office of Satellite and Product Operations, moving operations funded within Cooperative Data and Rescue Services, Satellite Ground Services, and the Office of Projects, Planning and Analysis from Procurement, Acquisition and Construction to Operations, Research, and Facilities. The agreement clarifies House language that Regional Climate Services is provided no less than $7,000,000, which includes no less than $4,600,000 for Regional Climate Centers.

Space Commerce.—The agreement approves the request to merge the Office of Commercial Remote Sensing Regulatory Affairs and the Office of Space Commerce (OSC) and provides $10,000,000 for OSC, which on balance is $5,900,000 above the fiscal year 2020 enacted level. Within the funding provided, the agreement directs NESDIS and OSC to initiate a space traffic management (STM) pilot program, in collaboration with industry, the Department of Defense, the Federal Aviation Administration, NASA, and other Federal partners, as appropriate, to develop STM technical prototypes, initiate an open architecture data repository, and perform STM demonstrations and experiments. Within 45 days of enactment of this Act, NESDIS shall provide the Committees with a detailed spending plan for the funding provided to OSC.

Mission Support.—$302,845,000 is for Mission Support Operations, Research, and Facilities.

MISSION SUPPORT

Operations, Research, and Facilities
(In thousands of dollars)

Program	Amount
Mission Support Services:	
Executive Leadership	$27,078
Mission Services and Management	156,000
IT Security	15,378
Payment to the DOC Working Capital Fund	66,389
Facilities Maintenance and Capital Improvements	5,000
Mission Support Services	269,845
Office of Education:	
BWET Regional Programs	7,750
José E. Serrano Educational Partnership Program with Minority Serving Institutions	20,000
NOAA Education Program Base	5,250
Office of Education	33,000
Total, Mission Support, Operations, Research and Facilities	$302,845

Sexual Assault and Sexual Harassment (SASH).—The agreement directs NOAA to continue implementing NOAA Administrative Order (NAO) 202–1106 on sexual assault and sexual harassment prevention and provides $2,000,000 within Mission Services and Management for this purpose. The agreement further encourages the use of carryover funds to expedite the hiring of staff to carry out this work. NOAA shall continue to provide the Committees with a copy of the report required under Section 12.02 of NOAA Administrative Order 202–1106.

NOAA Diversity and Inclusion.—NOAA is directed to take discrete steps to promote racial and cultural acceptance and diversity within its workforce. No later than 180 days after enactment of this Act, NOAA is directed to submit a report analyzing the current racial and cultural makeup of the agency; planned efforts to recruit, retain, and advance applicants and employees critical to promoting greater racial and cultural diversity, and the outcomes of these efforts; and any additional steps and recommendations planned to promote greater racial and cultural acceptance and diversity throughout the NOAA workforce, including the development and analysis of metrics to evaluate success.

Workforce Succession Planning.—NOAA is directed to provide the Committees, no later than 270 days after enactment of this Act, a report that details: (1) the age composition of NOAA's workforce, to include an assessment of the percentage of staff by line office that are currently retirement eligible or will be within the next five fiscal years; (2) a summary of the agency's current workforce succession plans, including any relevant documentation; and (3) any challenges to succession planning that could be remedied through legislation.

Facilities Maintenance and Capital Improvements.—Within Mission Support, the agreement includes $5,000,000 in a new PPA, Facilities Maintenance and Capital Improvements, which is to be administered by the Office of the Chief Administrative Officer to address the growing backlog of deferred maintenance and capital improvement needs at NOAA facilities. Before any of these funds may be obligated, NOAA is directed to provide the Committees with a detailed spending plan that explains what projects will be supported with the provided funding, as well as a prioritized list of the backlog of needed facilities repair, improvement, and maintenance projects. NOAA is encouraged to minimize, to the extent practicable, the amount of funds withheld for administrative expenses.

NOAA Environmental Security Computing Center (NESCC).—Within funding provided for Facilities Maintenance and Capital Improvements, NOAA shall consider making necessary upgrades to the NESCC to support future compute needs. Additionally, NOAA, in coordination with the General Services Administration, is encouraged to execute a cost benefit analysis to determine the merit of potentially acquiring the facility.

Office of Marine and Aviation Operations (OMAO).—$253,665,000 is for OMAO Operations, Research, and Facilities.

OFFICE OF MARINE AND AVIATION OPERATIONS

Operations, Research, and Facilities
(In thousands of dollars)

Program	Amount
Office of Marine and Aviation Operations:	
Marine Operations and Maintenance	$166,000
Aviation Operations and Aircraft Services	32,000
Autonomous Uncrewed Technology Operations	13,665
NOAA Commissioned Officer Corps	42,000
Total, Office of Marine and Aviation Operations, Operations, Research, and Facilities	$253,665

For fiscal year 2021, OMAO is directed to follow prior year language on Charter Vessels adopted by Public Law 116–93.

Funding for the NOAA Commissioned Officer Corps.—The agreement accepts the administration's budget proposal to consolidate OMAO funding for the NOAA Commissioned Officer Corps and its supporting functions into a single PPA, as is reflected in the preceding table. In so doing, funding has been transferred from Marine Operations and Maintenance, Aviation Operations and Aircraft Services, and Autonomous Uncrewed Technology Operations to the new PPA. However, on balance, the amount provided for OMAO represents a $9,250,000 increase above the fiscal year 2020 enacted level.

Mitigating Hi'ialakai Operations.—It is noted that even before OMAO operations were disrupted in 2020, no coverage was to be

provided in fiscal year 2020 to assess emerging threats to marine national monuments in the Pacific administered by NOS. OMAO is directed to submit a report on its plan to ensure adequate ship time for this mission no later than 90 days after enactment of this Act.

Monitoring of Atmospheric Rivers.—The agreement provides no less than $1,500,000 within Aviation Operations and Aircraft Services to better observe and predict atmospheric rivers and encourages the use of unexpended funds for this purpose from fiscal year 2020 to increase atmospheric rivers observations.

Pilot Recruitment and Training.—The agreement directs OMAO to continue programs to recruit and train pilots for service in the NOAA Commissioned Officer Corps, and provides up to the fiscal year 2020 enacted amount for this purpose.

High Altitude Hurricane Hunter Aircraft Back-up.—The agreement supports efforts by NOAA and NASA to establish a memorandum of agreement (MOA) for the NASA Gulfstream-V to serve as a back-up to the NOAA Gulfstream IV–SP Hurricane Hunter aircraft. The Committee expects NOAA and NASA to formalize an MOA as soon as possible, but not later than 90 days after enactment of this Act.

Autonomous and Uncrewed Technology Operations (AUTO).—The agreement provides $13,665,000 for AUTO, as authorized by the Commercial Engagement through Ocean Technology Act (Public Law 115–394). Within the funds provided, up to $5,000,000, an increase of $1,000,000 above the fiscal year 2020 enacted level, may be used to establish and support extramural partnerships for unmanned maritime systems research, development, testing, and training, including any legacy projects previously supported by the Unmanned Aircraft Systems Program Office or the Autonomous Underwater Vehicle Demonstration Testbed. Further, the agreement also provides up to $3,000,000 to continue data acquisition from unmanned maritime systems (UMS), as defined within Public Law 115–394, as well as for cooperative, competitive research and development of UMSs that can serve as a cost-effective augmentation for relevant research missions and fisheries data collection.

In executing the AUTO program, OMAO is encouraged to continue to coordinate with IOOS regarding use of underwater gliders and leverage partnerships with universities, oceanographic institutions, and other Federal agencies, especially the Naval Meteorology and Oceanography Command and the Naval Undersea Warfare Center.

2021 Hurricane Hunter Flight Hours.—The agreement includes an additional $2,000,000 within Aviation Operations and Aircraft Services to fund additional hurricane flight hours in fiscal year 2021. There is concern that OMAO's annual aircraft budgeting and scheduling processes are not accounting for the actual annual requirements of the hurricane reconnaissance mission, evidenced by the fact that in each of the three previous fiscal years OMAO has vastly exceeded the number of hours allocated for hurricane reconnaissance on its WP–3D Orion aircraft. Therefore, OMAO is directed to brief the Committees, not later than 90 days after enactment of this Act, on its annual aircraft budgeting and scheduling processes and shall include as part of its fiscal year 2022 budget the number of flight hours supported on each aircraft type within the fleet.

PROCUREMENT, ACQUISITION AND CONSTRUCTION

(INCLUDING TRANSFER OF FUNDS)

The agreement includes a total program level of $1,545,558,000 in direct obligations for NOAA Procurement, Acquisition and Construction (PAC), of which $1,532,558,000 is appropriated from the general fund and $13,000,000 is derived from recoveries of prior year obligations. The following narrative and table identify the specific activities and funding levels included in this Act:

PROCUREMENT, ACQUISITION AND CONSTRUCTION

(In thousands of dollars)

Program	Amount
National Ocean Service:	
National Estuarine Research Reserve Construction	$4,500
Marine Sanctuaries Construction	4,000
Total, NOS—PAC	8,500
Office of Oceanic and Atmospheric Research:	
Research Supercomputing/CCRI	43,500
National Weather Service:	
Observations	15,700
Central Processing	68,000
Dissemination	9,934
Facilities Construction and Major Repairs	10,000
Total, NWS—PAC	103,634
National Environmental Satellite, Data and Information Service:	
Geostationary Systems—R	334,500
Polar Weather Satellites	657,835
Cooperative Data and Rescue Services	14,400
Space Weather Follow On	108,115
COSMIC 2/GNSS RO	5,892
Satellite Ground Services	39,287
Projects, Planning, and Analysis	15,945
Geostationary Earth Orbit	10,000
Systems/Services Architecture and Engineering	38,500
Satellite CDA Facility	2,450
Total, NESDIS—PAC	1,226,924
Mission Support:	
NOAA Construction	43,000
Office of Marine and Aviation Operations:	
Fleet Capital Improvements and Technology Infusion	25,000
Vessel Recapitalization and Construction	75,000
Aircraft Recapitalization and Construction	20,000
Total, OMAO—PAC	120,000
Total, Procurement, Acquisition and Construction	$1,545,558

Judgment Fund Repayment.—The agreement does not provide funding for NOAA to make payments to the Department of Treasury Judgment Fund.

Research Supercomputing.—Within funding provided for Research Supercomputing/CCRI, $15,000,000 shall be used to continue to develop a dedicated high performance computing facility in collaboration with partners that have existing high performance computing expertise and scientific synergies.

National Weather Service.—The agreement includes the requested amount for NWS Observations to continue the Next Generation Weather Radar and the ASOS Service Life Extension Programs as planned.

Integrated Water Prediction.—The agreement provides an increase of $1,239,000 above the fiscal year 2020 enacted level for Central Processing under NWS PAC, which includes not less than $5,739,000 to procure operational high performance computing resources to enable modeling improvements associated with the IWP initiative. With the increased computing resources, the agreement encourages the prioritization of work by NOS, in collaboration with NWS, on IWP and coastal inundation.

Systems/Services Architecture and Engineering (SAE).—The agreement accepts the proposed transfer from the Office of Projects, Planning, and Analysis into SAE. No less than $2,700,000 is provided for Joint Venture Partnerships with NASA and the commercial sector to leverage emerging capabilities for NOAA's operational use.

The agreement also provides not less than $4,000,000 above the fiscal year 2020 enacted level for the commercial data purchase and commercial weather data pilot programs, which is to be divided between the two programs as deemed appropriate.

Geostationary Earth Orbit (GEO).—The agreement approves the administration's proposal to create a GEO PPA and has transferred $10,000,000 from SAE to fund this activity. This funding shall be used to support the start of the GEO Phase A mission concept and technology development activities, including the continuity missions to follow the Geostationary Systems–R series and Space Weather Follow On programs. These activities may include low-cost sensors and CubeSats to advance existing space weather measurement capabilities. Further, NOAA is encouraged to coordinate with NASA to ensure its space weather research is applicable and can be transitioned to NOAA's space weather operations.

Satellite Ground Services.—The agreement provides the requested amount for Satellite Ground Services, including no less than $5,000,000 for Data-source Agnostic Common Services to utilize data and observations from an increasingly diverse array of partner and commercial systems.

NOAA Construction.—The agreement provides $43,000,000 for NOAA's highest priority facilities construction, repair, and deferred maintenance requirements. Thirty days before obligating any funds, NOAA shall submit a report detailing how the funds will be expended and an explanation of why these projects were prioritized. NOAA is directed to prioritize funding for infrastructure projects related to marine operations, including facilities to accommodate NOAA research vessels.

There is significant concern that several NMFS laboratories will soon be unable to perform basic scientific functions, given the age of the infrastructure, state of disrepair, and changing physical environments in which they are located. NOAA is therefore encouraged to commence a competitive solicitation process for proposals from academic and nonprofit partners to co-locate NMFS laboratories, as a means of leveraging research efforts and enhancing scientific capabilities.

Vessel Deferred Maintenance and Technology Infusion.—The funding provided above the request for Fleet Capital Improvements and Technology Infusion shall be for deferred maintenance and technology infusion to transition to a progressive maintenance model.

NOAA Ship Ronald H. Brown.—The agreement reiterates House language expressing frustration over the omission of a request for funding in the fiscal year 2021 President's budget request for the midlife maintenance period for NOAA Ship *Ronald H. Brown*. Maintaining a safe and capable fleet of vessels is a NOAA mission requirement and it is expected that DOC and NOAA will make this a top priority in future budget requests. Not later than 90 days after enactment of this Act, OMAO shall develop and brief the Committees on a plan to allocate funds from within Vessel Recapitalization and Construction to commence the midlife maintenance period for NOAA Ship *Ronald H. Brown*.

Mission Requirement Costs.—NOAA is directed to document within all of its future budget requests any unfunded mission requirement costs, and particularly those that are necessary to maintain the optimal operational tempo of NOAA assets and posture of NOAA facilities.

Buy American Provisions.—NOAA shall follow prior year direction adopted in Public Law 116–93 regarding Buy American provisions related to marine vessels and marine vessel components. NOAA shall report to the Committees about how this direction has been reflected in current acquisition documents and how it will be incorporated in the Fleet Recapitalization Plan no less than 90 days after enactment of this Act.

Aircraft Recapitalization.—The agreement provides $20,000,000 to finalize the procurement and modifications of a suitable replacement for the Gulfstream IV–SP Hurricane Hunter aircraft.

Acquisition and Construction Cost Estimation.—The agreement notes with exasperation the continuing trend of NOAA underestimating the costs of major acquisition and construction projects. As such, the agreement directs GAO to conduct an audit, as soon as possible, of NOAA's internal cost estimation procedures to include (1) a review of the extent to which NOAA's cost estimation procedures align with best practices in GAO's Cost Estimating and Assessment Guide, (2) ways in which NOAA can increase the reliability of cost estimates, and (3) specific NOAA projects or components of the NOAA cost estimation process that should be subject to regular oversight by the DOC Office of Inspector General.

PACIFIC COASTAL SALMON RECOVERY

The agreement includes $65,000,000 for the Pacific Coastal Salmon Recovery Fund (PCSRF) and directs that funds will be available to Tribes without a matching requirement. NOAA is directed to report on how its current priorities meet the intent of the PCSRF to support the recovery and protection of all declining salmon stocks.

FISHERMEN'S CONTINGENCY FUND

The agreement includes $349,000 for the Fishermen's Contingency Fund.

FISHERIES FINANCE PROGRAM ACCOUNT

The agreement includes language under this heading limiting obligations of direct loans to $24,000,000 for Individual Fishing Quota loans and $100,000,000 for traditional direct loans.

DEPARTMENTAL MANAGEMENT

SALARIES AND EXPENSES

The agreement includes $73,000,000 for Departmental Management (DM) salaries and expenses. The Department is expected to spend within its appropriated amounts.

For fiscal year 2021, the Department is directed to follow prior year report language, included in Senate Report 116–127 and adopted by Public Law 116–93, on Small Business Innovation Research, Rare Earth Elements Manufacturing Cooperative, and Working Capital Funds. House report language regarding Artificial Intelligence (AI) Talent is modified to clarify that these efforts shall be led by NIST, in accordance with House language for NIST on U.S. Leadership in AI.

Staffing Report.—The Chief Financial Officer and the Chief Human Capital Officer of the Department shall continue to provide quarterly briefings to the Committees on all Department-wide human capital issues, to include: a list of funded vacancies, by bureau, type, and location, including the length of time the positions have been vacant; a plan and explanation for addressing each vacancy, including a target for when the vacancy will be filled; and other relevant topics as appropriate.

Salary Lapse.—The Department is directed to provide a detailed accounting of the amounts projected in salary lapse in its fiscal year 2021 spend plan with an explanation of how all anticipated balances will be spent for each component. The Department is directed to provide this information by line offices within NOAA that have a greater than 10 percent vacancy rate as of September 30, 2020. The Department is advised that any amounts insufficiently justified to either augment staff vacancies or support mission critical functions will be considered for rescission in fiscal year 2022.

Department of Commerce Working Capital Fund.—As part of the fiscal year 2022 budget request, the Department is directed to provide justification that clearly articulates why each Advancements and Reimbursements account and Working Capital Fund project administered by the Office of Acquisition Management, Office of Budget, Office of the Chief Financial Officer and Assistant Secretary for Administration, and Chief of Staff should continue to be funded through the Department of Commerce Working Capital Fund.

Scientific Integrity Policy.—Many are alarmed by the findings of the National Academy of Public Administration (NAPA) investigation titled ''An Independent Assessment of Allegations of Scientific Misconduct.'' The NAPA investigation found that NOAA officials violated the NOAA Scientific Integrity Policy (NOAA Administrative Order 202–735d), specifically the Code of Ethics for Science Supervision and Management, in its issuance of a statement rebuking NWS meteorologists regarding Hurricane Dorian forecasts on September 6, 2019. The NAPA investigation and a similar Inspector General investigation, ''Evaluation of NOAA's September 6, 2019, Statement About Hurricane Dorian Forecasts'' (OIG–20–032–I), both note the role that Department officials played in the development and release of the statement. However, Department officials are not bound by NOAA's Scientific Integrity Policy. Therefore, the Department is directed to develop a Department-wide Scientific Integrity Policy. The Department Policy should draw upon, but not interfere with, the NOAA Scientific Integrity Policy and ensure that bona fide scientific evidence and results can be presented absent political interference or censorship.

Section 232 Exclusion Process.—The agreement continues to provide funding for the ongoing exclusion process for steel and aluminum tariffs applied under section 232 of the Trade Expansion Act of 1962 (19 U.S.C. 1862), including no less than $7,000,000 within BIS and $1,500,000 within DM, and up to $8,000,000 within ITA. If additional funding for the exclusion process becomes necessary, the Department shall report to the Committees at least 15 days prior to the obligation of funds above the totals specified herein. The Department is directed to exhaust all available options to ensure section 232 activities are funded without causing disruption to component operational needs or trade enforcement priorities previously highlighted in the agreement. Additionally, the Department should ensure section 232 activities are appropriately funded in future year budget requests and clearly show both current services and program increases anticipated to support the program.

Improving Trade Data Reporting.—The Department is directed, in coordination with U.S. Customs and Border Protection, U.S. International Trade Commission, and other relevant agencies, to review and compare methodologies for collecting and publishing gross trade flows data and detailed supply chain data to better document the country of origin for components of each imported good before it reaches U.S. consumers.

RENOVATION AND MODERNIZATION

The agreement includes a total of $1,123,000 for the Renovation and Modernization account. For fiscal year 2021, the Department is directed to follow prior year report language included in Senate Report 116–127 and adopted by Public Law 116–93 under this heading.

NONRECURRING EXPENSES FUND

The agreement includes $20,000,000 for the Department of Commerce Nonrecurring Expenses Fund to continue phase one of the financial management and business information technology modernization. The Department is directed to provide an updated 5-year budget profile for this project as part of the fiscal year 2022 budget request.

OFFICE OF INSPECTOR GENERAL

The agreement includes a total of $43,556,000 for the Office of Inspector General (OIG). This amount includes $34,000,000 in direct appropriations, a $2,000,000 transfer from USPTO, a transfer of $3,556,000 from the Bureau of the Census, Periodic Censuses and Programs, and $2,000,000 from NOAA PAC for audits and reviews of those programs. In addition, $2,000,000 is derived from the Public Safety Trust Fund for oversight of FirstNet.

The agreement directs the OIG to continue its oversight work on cybersecurity, NOAA satellite and vessel procurements, telework, patent quality, the 2020 Decennial Census, and the business application system modernization. Further, the OIG is directed to continue assessing all of the working capital funds within the Department to evaluate the budgetary controls in place to develop reimbursement formulas, the relationship of reimbursements to client services; the appropriateness of the level of fund balances, and compliance with appropriations law and direction. As part of this assessment, the Inspector General shall pay particular attention to the increasing amounts of funding needed to support the Department's Office of General Counsel (OGC), including the justification and metrics for how such funding is being levied against each agency and, reciprocally, how the agencies account for the services they receive from the OGC. The agreement also recommends the OIG investigate the growth and utilization of the Department's cash balances in its Working Capital Fund and the quality of services provided to the customers.

GENERAL PROVISIONS—DEPARTMENT OF COMMERCE

(INCLUDING TRANSFER OF FUNDS)

The agreement includes the following general provisions for the Department of Commerce:

Section 101 makes funds available for advanced payments only upon certification of officials, designated by the Secretary, that such payments are considered to be in the public interest.

Section 102 makes appropriations for Department of Commerce salaries and expenses available for hire of passenger motor vehicles, for services, and for uniforms and allowances as authorized by law.

Section 103 provides the authority to transfer funds between Department of Commerce appropriation accounts and requires 15 days advance notification to the Committees on Appropriations for certain actions.

Section 104 provides congressional notification requirements for NOAA satellite programs and includes life cycle cost estimates for certain weather satellite programs.

Section 105 provides for reimbursement for services within Department of Commerce buildings.

Section 106 clarifies that grant recipients under the Department of Commerce may deter child pornography, copyright infringement, or any other unlawful activity over their networks.

Section 107 provides the NOAA Administrator with the authority to avail NOAA of resources, with the consent of those supplying the resources, to carry out responsibilities of any statute administered by NOAA.

Section 108 prohibits the National Technical Information Service from charging for certain services.

Section 109 allows NOAA to be reimbursed by Federal and non-Federal entities for performing certain activities.

Section 110 provides the Economics and Statistics Administration certain authority to enter into cooperative agreements.

Section 111 removes the requirement for matching funds for amounts provided in this Act through the Manufacturing Extension Partnership.

Section 112 allows the Secretary of Commerce to waive the cost sharing requirements for funds provided in this Act under sections 306, 306A, and 315 of the Coastal Zone Management Act of 1972.

Section 113 provides transfer authority for the Bureau of the Census to fund facilities renovation and reconfiguration projects.

TITLE II

DEPARTMENT OF JUSTICE

GENERAL ADMINISTRATION

SALARIES AND EXPENSES

The agreement includes $119,000,000 for General Administration, Salaries and Expenses. In addition, the agreement provides funding for the Department's classified programs as described in the classified annex accompanying this explanatory statement.

For fiscal year 2021, the Department is directed to continue following the directives in Senate Report 116–127, as adopted by Public Law 116–93, on the following topics: ''Trafficking in Persons,'' ''Domestic Trafficking Victims Fund Special Assessments,'' ''Human Trafficking Justice Coordinators,'' ''Implementation of the Child Protection Improvements Act (CPIA),'' ''Constitutional Policing,'' ''Enforcement of Federal Hate Crimes Law,'' ''Combating Domestic Terrorism,'' ''Human Rights Crimes,'' ''Addressing Violence Against Indigenous Women,'' ''U.S. Victims of State Sponsored Terrorism Fund,'' ''Crime Victims Fund Awareness,'' and ''Wildlife Trafficking.'' The Department shall submit updated reports consistent with the directives.

Strengthening Police-Community Relations.—The agreement provides $153,500,000 for State and Local Law Enforcement Assistance and Community Oriented Policing Services (COPS) Office grant programs related to police-community relations. This is an increase of $67,000,000, or 77.45 percent, above the fiscal year 2020 level.

In addition, $5,000,000 is provided to the Department, through section 222 of this Act, for the development and deployment of a database to track excessive use of force and officer misconduct, as required by section 3 of Executive Order 13929 (June 16, 2020). In developing these databases, the Department is directed to consult with State and local law enforcement agencies, community organizations, and advocacy groups, including those that advocate for the preservation of civil liberties and civil rights. The Department is directed to submit a plan for the use and approval of these funds as part of the fiscal year 2021 spending plan process and to provide quarterly updates following the initial plan submission. The House report language, and associated funding, for a National Police Misconduct Registry is not adopted.

Federal Police Cameras and Accountability.—The agreement supports the October announcement that the Department of Justice (DOJ) will permit State, local, territorial, and Tribal task force officers to use body-worn cameras on Federal task forces around the Nation. The agreement supports the use of the body-worn cameras, and notes that funding has been provided for the Body-Worn Camera Partnership Program since fiscal year 2016. However, there are complex issues associated with the use of body-worn cameras, including data storage costs, access under Federal records laws, and the need for consistent and accountable deployment of such technology by law enforcement agencies. In lieu of the House report language, the agreement supports continued evaluation of their use by DOJ's law enforcement components.

DOJ Task Force Body Camera Pilot Program.—Last year, the Department initiated a pilot program to allow federally deputized task force officers to use body-worn cameras while serving arrest warrants, participating in planned arrest operations, and executing search warrants. The Department is directed to submit a report, not later than 30 days after the date of enactment of this Act, assessing the results of this pilot program. In addition to a programmatic analysis, the report shall describe the resource requirements for continuation and expansion of the pilot.

Responding to Opioids, Methamphetamine, Synthetic Drugs, and Substance Abuse in Our Communities.—The agreement includes a total of $541,500,000 in dedicated grant program funding, an increase of $23,500,000 above the fiscal year 2020 enacted level, to help communities and State and local law enforcement respond to substance abuse, including opioids, stimulants, and synthetic drugs. The Drug Enforcement Administration (DEA) is funded at $2,796,762,000, an increase of $74,467,000 above the fiscal year 2020 enacted level, to strengthen drug trafficking investigations, including those related to heroin, fentanyl, and methamphetamines. The agreement further supports the continuation of heroin enforcement teams, methamphetamine and fentanyl cleanup and container programs, and other interdiction and intervention efforts, including DEA's 360 Strategy.

Task Force on Law Enforcement Oversight.—The Attorney General is directed to establish a Task Force on Law Enforcement Oversight, to be comprised of representatives from (1) the Civil Rights Division, (2) the Office of Justice Programs, (3) the Office of Community Oriented Policing Services (COPS), (4) the Federal Bureau of Investigation, (5) the Community Relations Service, and (6) the Office of Tribal Justice. The Task Force shall consult with professional law enforcement associations, labor organizations, and community-based organizations to coordinate the process of the detection and referral of complaints regarding incidents of alleged law enforcement misconduct.

The Department is directed to provide up to $5,000,000 for the activities of the Task Force. In addition, the Department, in its fiscal year 2021 spending plan required by section 528 of this Act, is directed to identify amounts derived from appropriations to ''General Administration–Salaries and Expenses'', ''Legal Activities–Salaries and Expenses, General Legal Activities'', ''Legal Activities–Salaries and Expenses, Community Relations Service'', ''Federal Bureau of Investigation–Salaries and Expenses'', and amounts derived from management and administration fees assessed by the Office of Justice Programs and the COPS Office, and that will solely be used to support the activities of the task force.

Accreditation of Law Enforcement Agencies.—The agreement supports DOJ's effort to develop and implement consistent accreditation standards for Federal, State, and local law enforcement. Consistent standards, informed by broadly-applicable model guidelines and best practices, can ensure community accountability and promote policing with a guardian mentality. In lieu of the House report language, the Attorney General is directed to take the lead in these efforts, and, in consultation with law enforcement accreditation organizations, recommend broadly-applicable model guidelines and best practices for accreditation standards. The recommendations should be based on an analysis of existing accreditation standards and methodology developed by law enforcement accreditation organizations nationwide, including national, State, regional, and Tribal accreditation organizations.

Training for Law Enforcement Officers.—The Department of Justice is expected to exercise leadership in law enforcement across the Federal government. Accordingly, in lieu of language in the House Report, the agreement directs the Attorney General to ensure implementation of evidence-based training programs on de-escalation, the use-of-force, and the protection of civil rights that are broadly applicable and scalable to all Federal law enforcement agencies. Such programs should be developed in consultation with the DOJ law enforcement components, the Office of Justice Programs, the Community Oriented Policing Services Office, and the Civil Rights Division, with consideration given to establishing consistent standards and curricula. The Attorney General is further directed to consult with the heads of each Federal law enforcement agency in furtherance of the adoption of these programs. Not later than six months after the date of enactment of this Act, the Department shall submit a report on the implementation status of these training programs, including but not limited to training curriculum topics and availability and capacity of training facility space. Within one year of the date of the enactment of this Act, the Department shall submit a report on its consultations with each Federal law enforcement agency and provide a determination of whether each agency provides training consistent with the aforementioned programs.

The Department's leadership in these matters must also extend to accountability and transparency. The Federal Bureau of Investigation (FBI) launched the National Use-of-Force Data Collection (NUOFDC) on January 1, 2019, and published the 2019 results in August 2020. While all of DOJ's law enforcement components participate in this data collection, only 29 other Federal agencies, or 25.4 percent of Federal law enforcement, participate. The Attorney General and the Director of the FBI are directed to consult with the heads of each Federal law enforcement agency in furtherance of universal Federal participation in the NUOFDC. Within six months of the date of enactment of this Act, the Department shall submit a report on the status of these consultations. Within one year of the date of the enactment of this Act, the Department shall submit a report identifying those agencies that are not participating in the collection, and, in each case, a description of the basis on which the agency declined to do so.

The House reports accompanying each of the fiscal year 2021 appropriations bills included references to training and use-of-force in Federal law enforcement. In lieu of each of those passages, the explanatory statements accompanying the appropriations titles of this division adopt language synchronized with the directives to the Attorney General described above.

Use of Force Incidents.—The agreement strongly supports efforts to promote participation in the NUOFDC by Federal, State, and local law enforcement agencies. In lieu of the House report language captioned ''Use of force'', the Department and the FBI are directed to submit a report, not later than 180 days after the date of enactment of this Act, with a detailed description of the methods for collecting this data and an assessment of strategies for increasing participation by Federal, State, and local law enforcement agencies. The Department and the FBI are further directed to provide a briefing on the NUOFDC not later than 60 days after the date of enactment of this Act.

DOJ Law Enforcement Agencies' Use of Force Policies.—The Department is directed to review the policies governing the use of deadly force and less-than-lethal force for all of its law enforcement components, including the Bureau of Prisons (BOP), to ensure they are current and meet appropriate guidelines including the Department's own Deadly Force Policy and statutory requirements. The Department is directed to maintain these policies on its website in a clearly accessible location.

Emmett Till Unsolved Civil Rights Crimes Reauthorization Act of 2016.—The agreement includes the full authorized level of $13,500,000 for DOJ component agencies to implement the Emmett Till Unsolved Civil Rights Crimes Reauthorization Act of 2016.

National Instant Criminal Background Check System (NICS).—The Department shall comply with directions in the House report regarding notifications to State and local authorities; publication of notification data in its annual NICS Section Operations Report and on the Justice Department website; and submission of a report regarding firearms sales that have taken more than three days to complete. The Department is expected to build on its initial efforts to secure certification and implementation plans for the Fix NICS Act of 2018 and is directed to submit the required semiannual report on time. Furthermore, DOJ shall report not later than 30 days after the date of enactment of this Act on how Project Guardian satisfies each element of the NICS denial notification directive adopted by the joint explanatory statement accompanying Public Law 116–93, and the number of notifications provided to date. The FBI shall also, as part of each annual NICS Section Operations Report, provide data on the notifications provided to State and local law enforcement, including the number of notifications provided to each of (a) State law enforcement and (b) local law enforcement, for each prohibited category. The FBI shall also publish monthly data on its website listing denials and notifications by State and prohibition type.

Federal Law Enforcement in the Caribbean.—The Attorney General shall comply with the direction in the House report to report on violent crime initiatives in Puerto Rico and the U.S. Virgin Islands. The Department is directed to assess its strategy for assisting the Commonwealth of Puerto Rico in addressing violent crime and to consider providing additional Federal resources, if appropriate.

Office of Legal Counsel (OLC) Opinions.—In lieu of House report language, the Attorney General is again strongly urged to direct OLC to publish all legal opinions and other materials that are appropriate for publication—in particular those materials that are the subject of repeated requests or that may be of public or historical interest.

Reports on Departmental Funds.—The Department shall continue to submit information on all applicable funds, including the Working Capital Fund, the Three Percent Fund, and the Assets Forfeiture Fund, at the same level of detail provided in fiscal year 2020 and as required by the explanatory statement accompanying Public Law 116–93. In addition, the section 505 notification of the Three Percent Fund allocation submitted to the Committees shall include, for each component receiving Three Percent Fund support, a detailed description of programs, projects, and activities funded through the Three Percent Fund.

Crime Victims Fund (CVF).—The Department shall provide monthly reports regarding CVF balances, deposits, recoveries, and obligations, including obligations associated with the Antiterrorism and Emergency Assistance Program. In addition, the Department is directed to submit as part of its annual spending plan a description of the CVF's allocation process, including the release of funds for the purposes of the Children's Justice Act (Public Law 99–401), discretionary grants provided by the Office for Victims of Crime (OVC), the U.S. Attorneys Offices' victim-witness coordinators, and the FBI's victim-witness specialists.

Tribal Sovereign Immunity.—The agreement includes not less than $50,000 for the Office of Tribal Justice (OTJ) to consult with Tribal entities concerning risk management, loss prevention, the resolution of tort claims, alternative dispute resolution, and protecting and managing Tribal sovereign immunity in the context of economic development. OTJ is directed to report, not later than one year after the date of enactment of this Act, on the best practices for Tribal risk management.

Sexual Harassment Policies.—The Department should be a leader in maintaining a model workplace and is encouraged to collaborate with other Federal agencies on the development of policies regarding sexual harassment and sexual misconduct.

Multi-Disciplinary Task Force Addressing Human Trafficking in International Waters.—The Department has failed to meet the directives and reporting deadlines, including the submission of a final report in March 2019, originally set in Senate Report 115–139 and adopted in appropriations Acts each fiscal year thereafter. The Department is directed to immediately submit all reports and materials that may be responsive to this directive, and to publish the final report on the Department's website not later than 15 days after the date of the enactment of this Act.

Departmental Efforts to Combat Crimes Against Children.—The Department is expected to maintain a cross-agency budget of Crimes Against Children and to report annually to the Committees thereon. As a National Strategy for Child Exploitation Prevention and Interdiction has not been submitted since April 2016, the Department shall immediately submit and publish on its website an updated strategy, as required by 34 U.S.C. 21111(b). The Department shall ensure the position of National Coordinator for Child Exploitation Prevention and Interdiction is dedicated to the role set forth by law, and shall submit a detailed expenditure plan for that office, including staffing, travel, and temporary duty travel expenses not later than 90 days after the date of enactment of this Act and include those costs in future budget submissions.

Improving Intradepartmental Collaboration to Combat Terrorism.—The Department is directed to significantly increase opportunities for its law enforcement components to utilize the National Center for Explosives Training and Research and co-located ranges, and to expeditiously execute interagency agreements with respect to range use. The Department is directed to report on its progress in this effort not later than 180 days after the date of enactment of this Act.

DNA Sample Collection from Immigration Detainees.—In lieu of House report language, the Department is directed to report, not later than 90 days after the date of enactment of this Act, on the FBI role in the collection, use, and retention of DNA samples collected on the basis of the final rule ''DNA-Sample Collection from Immigration Detainees'' (March 9, 2020), and the impact of that policy on FBI DNA sample testing processing rates.

Domestic Terrorism Task Force.—In lieu of the House report language, the agreement encourages the Attorney General, in consultation with the Secretary of Homeland Security, to consider whether a dedicated task force would improve the capacity of the Federal Government to counter domestic terrorism, and to present legislative recommendations thereon.

Charging Policies for Drug Offenders.—The Department shall immediately submit the detailed report required by the explanatory statement accompanying Public Law 116–93 on charging policies for drug offenders. The Department is encouraged to work with other Federal agencies to gather the required data relating to pre-sentencing reports and drug trafficking cases.

Financial Fraud.—The Attorney General shall continue to prioritize Departmental resources to ensure that reports of financial fraud, including scams against senior citizens, are thoroughly investigated, with the goal of bringing the perpetrators of these crimes to justice.

Robocall Forfeiture Orders.—The Attorney General is directed to prioritize resources toward enforcing FCC forfeiture orders and collecting the substantial unpaid penalties imposed by the FCC against illegal robocallers.

Animal Welfare Enforcement.—The Department shall continue to comply with Congressional direction to prioritize the investigation and prosecution of animal welfare crimes, including those under 7 U.S.C. 2156, 18 U.S.C. 48 and 49, and 49 U.S.C. 80502, and to report not later than 120 days after the date of enactment of this Act on actions it is taking to enforce such laws, including case development and prosecutions based on referrals from the FBI, the U.S. Department of Agriculture Office of Inspector General, and other Federal agencies, as well as specific training related to these types of crimes for both Departmental law enforcement and litigating components. The report shall include the number of prosecutions and seizures, broken out by litigating component and/or district, for fiscal years 2019, 2020, and 2021.

Live Tissue Training (LTT).—The Department is urged to cease the use of LTT. Should additional funding be needed for humane medical simulation, the Department should request this as part of components' budget submissions.

Additional Resources.—The agreement urges the Department to appropriately address the needs arising out of the Supreme Court's decision in *McGirt* v. *Oklahoma* and directs the Department to continue to make itself available for consultations in support of a sustainable, long-term response.

The direction in the House Report regarding the DOJ review of applications for Federal funding shall have no effect.

JUSTICE INFORMATION SHARING TECHNOLOGY

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $34,000,000 for Justice Information Sharing Technology.

EXECUTIVE OFFICE FOR IMMIGRATION REVIEW

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $734,000,000 for the Executive Office for Immigration Review (EOIR), of which $4,000,000 is a transfer from the U.S. Citizenship and Immigration Services Immigration Examinations Fee Account. The agreement provides $61,034,000 above the fiscal year 2020 enacted level and provides $35,000,000 in no-year funds. EOIR is directed to provide a robust and detailed justification for the continuation of no-year funds in its fiscal year 2022 budget request. The agreement continues the requirement in the explanatory statement accompanying Public Law 116–93 for DOJ to maintain its role in overseeing EOIR's financial management.

Information Technology (IT) Modernization.—Within the amount provided, the agreement expects EOIR to expedite efforts to implement its new electronic case management system and reiterates the direction

in the explanatory statement accompanying Public Law 116–93 for EOIR to upload existing case files into the new system. EOIR shall continue to include updates on its IT modernization projects in its quarterly reports to the Committees. The agreement recognizes EOIR is working in coordination with the Department of Homeland Security (DHS) on a unified immigration portal and directs the Department, in consultation with DHS, to provide an update on its implementation plan for this initiative within 90 days of the date of enactment of this Act. Should any fiscal year 2021 funds be used to support this effort, this report shall provide details thereon.

Interpretation Services.—Within the funds provided, EOIR is directed to properly resource interpretation services, and further directs EOIR to continue to ensure appropriate language access is available for all respondents, including indigenous language speakers. EOIR should inform the Committees of specific resource needs related to interpretation services and should identify any possible opportunities for sharing of interpreter resources with other Federal agencies, including DHS. EOIR is further directed to continue to submit the quarterly reports required by the explanatory statement accompanying Public Law 116–93.

Immigration Adjudication Performance and Reducing Case Backlog.—The agreement adopts the directive in the House report to include more comprehensive staffing information for all positions that compose an immigration judge (IJ) team in its monthly staffing report. The agreement further directs the Department to submit a cost break out for an IJ team, which should include salary, position, interpretation contract costs, and rent and facility costs, in its fiscal year 2021 spending plan and future budget request materials. There should be a standardized baseline for what constitutes an IJ team cost that is clearly understood by the Committees, and when there are significant deviations from the baseline, EOIR shall include this in its quarterly report by court location with justification for the variance. EOIR is further directed to continue to make its hiring processes for new immigration judges publicly available, and to update its website within 30 days of any changes to hiring processes or rules.

Legal Orientation Program (LOP).—The agreement includes $22,500,000 for services provided by the LOP, of which $3,500,000 is for the Immigration Court Helpdesk (ICH). LOP funding is also provided for LOP for Custodians (LOPC), the LOP Call Center, and efforts, pursuant to the Trafficking Victims Protection Reauthorization Act of 2008 (Public Law 110–457), to address the responsibility of custodians of unaccompanied, undocumented children to attempt to ensure the child's appearance at all immigration proceedings, and to protect the child from mistreatment, exploitation, and trafficking.

EOIR is directed to continue all LOP components' services and activities without interruption, including during any review of the program, and to ensure all components continue to be operated by non-profit NGOs with demonstrated immigration law expertise. EOIR is further directed, in lieu of the briefing described in the House report, to provide details on the execution of LOP funds as part of the Department's fiscal year 2021 spending plan broken out by LOP program and promptly alert the Committees to any deviation of planned obligations.

The agreement supports efforts to promote access to LOP, with attention to geographic equity and the need for legal services at remote immigration detention sites that are far from legal service providers in urban centers. EOIR is requested to provide an evaluation of the resources necessary to offer LOP services at additional sites.

Video Teleconferencing (VTC).—In lieu of House Report language regarding ''Video teleconferencing'' and ''Tent Court Proceedings'', EOIR is directed to update its policy memorandum on the use of VTC, so as to ensure clear and consistent guidelines are followed in all adjudication settings. This update further directs EOIR to make all policies and procedures related to EOIR's use of VTC, including policies for public and media access to each location using VTC publicly available on its website. EOIR shall continue to follow the directives regarding real-time data collection and quarterly reporting described in the explanatory statement accompanying Public Law 116–93.

Court Operations.—In lieu of the House report language, EOIR is encouraged to develop a nationwide plan that details steps EOIR will take to ensure all respondents have access to a centralized mechanism to electronically file an EOIR Form–33 in order to change their address remotely, in addition to the current use of paper filings, and report on the status of this plan to the Committees no later than 90 days after the date of enactment of this Act.

The House report language under ''LOP Pilot'', ''Migrant Protection Protocol (MPP) Statistics Publication'' and ''Rocket Dockets'' is not adopted.

OFFICE OF INSPECTOR GENERAL

The agreement includes $110,565,000 for the Office of Inspector General.

Status of Recommendations.—The Office of the Inspector General shall provide a briefing to the Committees not later than 30 days after the date of enactment of this Act on the status of recommendations in its December 9, 2019, report and its March 30, 2020, management advisory memorandum related to Foreign Intelligence Surveillance Act applications.

UNITED STATES PAROLE COMMISSION

SALARIES AND EXPENSES

The agreement includes $13,539,000 for the salaries and expenses of the United States Parole Commission.

LEGAL ACTIVITIES

SALARIES AND EXPENSES, GENERAL LEGAL ACTIVITIES

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $960,000,000 for General Legal Activities. Within the funding provided, up to $10,000,000 shall be for the Civil Rights Division for additional expenses relating to the enforcement of 34 U.S.C. 12601; criminal enforcement under 18 U.S.C. 241–242; and administrative enforcement by the Department of Justice, including compliance with consent decrees or judgments entered into under such sections.

Human Trafficking.—The agreement strongly supports the Department's efforts to combat human trafficking, including its participation in the interagency Anti-Trafficking Coordination (ACTeam) Initiative and the activities of the Civil Rights Division's Human Trafficking Prosecution Unit (HTPU). Within the funding provided, DOJ is directed to provide additional staffing and resources for these efforts. The Department is directed to submit a report, not later than 90 days after the date of enactment of this Act, describing hiring within HTPU, training provided by HTPU as part of the ACTeam initiative, and causes of the decline in human trafficking prosecutions.

Civil Rights Violations in State and Local Prisons and Jails.—Within the funding provided, the Civil Rights Division shall increase efforts to investigate and address violations of the Civil Rights of Institutionalized Persons Act in State and local prisons and jails.

VACCINE INJURY COMPENSATION TRUST FUND

The agreement includes a reimbursement of $17,000,000 for DOJ expenses associated with litigating cases under the National Childhood Vaccine Injury Act of 1986 (Public Law 99–660).

SALARIES AND EXPENSES, ANTITRUST DIVISION

The agreement includes $184,524,000 for the Antitrust Division (ATR). This appropriation is offset by an estimated $150,000,000 in premerger filing fee collections, resulting in a direct appropriation of $34,524,000.

High-speed Internet Access.—In lieu of the House report language, the agreement directs ATR to provide a briefing, not later than 30 days after the date of enactment of this Act, on the status of competition in the telecommunications industry, including in rural areas.

SALARIES AND EXPENSES, UNITED STATES ATTORNEYS

The agreement includes $2,342,177,000 for the Executive Office for United States Attorneys and the 94 United States Attorneys' offices, of which $25,000,000 shall remain available until expended. Within the funding provided, up to $10,000,000 shall be for additional expenses relating to the enforcement of 34 U.S.C. 12601; criminal enforcement under 18 U.S.C. 241–242; and administrative enforcement by the Department of Justice, including compliance with consent decrees or judgments entered into under such sections.

In lieu of the House report language captioned ''Credible Fear'' and ''Immigration enforcement data'', DOJ is directed to continue to submit quarterly reports, by U.S. Attorney's Office, on defendants who are charged with violations of 8 U.S.C. 1325 and 8 U.S.C. 1326.

UNITED STATES TRUSTEE SYSTEM FUND

The agreement includes $232,361,000 for the United States Trustee Program.

Disclosure Requirements.—The United States Trustee Program (USTP) is encouraged to continue its efforts to ensure a fair and transparent bankruptcy process for stakeholders and for the public. USTP shall submit a report, not later than 180 days after the date of enactment of this Act, describing its efforts to enforce compliance with the disclosure requirements of Bankruptcy Rule 2014(a) in fiscal years 2020 and 2021. The report should describe the number and nature of the actions taken, provide illustrative examples, and include an assessment of overall compliance with Rule 14(a) disclosure requirements by bankruptcy professionals.

SALARIES AND EXPENSES, FOREIGN CLAIMS SETTLEMENT COMMISSION

The agreement includes $2,366,000 for the Foreign Claims Settlement Commission.

FEES AND EXPENSES OF WITNESSES

The agreement includes $270,000,000 for Fees and Expenses of Witnesses.

The Department is expected not to obligate funds for expert witness services, including the payment of fees and expenses of expert witnesses, from any other DOJ accounts other than Fees and Expenses of Witnesses.

SALARIES AND EXPENSES, COMMUNITY RELATIONS SERVICE

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $18,000,000 for the Community Relations Service.

ASSETS FORFEITURE FUND

The agreement includes $20,514,000 for the Assets Forfeiture Fund.

UNITED STATES MARSHALS SERVICE

SALARIES AND EXPENSES

The agreement includes $1,496,000,000 for the salaries and expenses of the United

States Marshals Service (USMS). The Department shall continue to submit the quarterly report required by the explanatory statement accompanying Public Law 116–93, on USMS use of Assets Forfeiture Fund funding.

Regional Fugitive Task Forces Program (RFTF).—USMS is directed to submit a report, not later than 180 days after the date of enactment of this Act, on the possible expansion of the RFTF program. This report should describe requirements with respect to staffing, operational space and agreements, equipment, tactical canine teams, medical and trauma support and partnerships, and expected future resource needs. The report should further identify the geographic regions that would benefit most from establishment of an RFTF.

International Operations.—The USMS is directed to submit an updated annual report on its extradition program and international operations workload as directed by the explanatory statement accompanying Public Law 116–93. The report should detail the number of extraditions, deportations, district cooperations, and extradition requests made by foreign counterparts. The report should further describe any plans for expansion to locations where USMS does not yet have a permanent presence, but where there has been an increase in workload due to extraditions. DOJ is directed to assess unobligated resources available Department-wide, and to submit a reprogramming of funding, if required, to cover the full costs of meeting USMS' international extradition responsibilities.

Judicial Protection.—The agreement supports USMS's efforts to place additional deputy U.S. marshals and accompanying analytical personnel in the field, and to provide expanded training for threat investigations and protective intelligence. Within funding provided, the agreement includes the amount jointly requested by the Department and the Judicial Conference of the United States for replacement of the Home Intrusion Detection Systems (HIDS), and further provides additional support for open source intelligence initiatives in the Office of Protective Intelligence.

Training Efficiencies.—USMS is directed to assess whether consolidation of its training programs in one centralized location could streamline training operations and deliver efficiencies and savings. USMS is further directed to submit a report on its findings, as well as estimates of the resource requirements to implement such consolidation, not later than 90 days after the date of enactment of this Act.

CONSTRUCTION

The agreement includes $15,000,000 for construction and related expenses in space controlled, occupied, or utilized by the USMS for prisoner holding and related support.

FEDERAL PRISONER DETENTION

The agreement includes $2,046,609,000 for Federal Prisoner Detention (FPD).

The Department and USMS are expected to anticipate the true funding needs for the FPD account, to avoid funding shortfalls and emergency reprogrammings. USMS is directed to submit a monthly report on individuals in the detention system. The report should include information on the current and projected number of detained individuals, offense categories, the population change from the prior month to the current month, the population change from the current month to the prior year, and the associated annualized costs.

NATIONAL SECURITY DIVISION

SALARIES AND EXPENSES

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $117,451,000 for the salaries and expenses of the National Security Division.

INTERAGENCY LAW ENFORCEMENT

INTERAGENCY CRIME AND DRUG ENFORCEMENT

The agreement includes $550,458,000 for the Organized Crime and Drug Enforcement Task Forces (OCDETF), of which $385,188,000 is for investigations and $165,270,000 is for prosecutions.

Within funding provided, the Department is encouraged to hire additional Assistant U.S. Attorneys nationwide to help stop the flow of illicit drugs and reduce violent crime associated with the drug trade. In addition, OCDETF is urged to continue to coordinate with the DEA and other Federal and international law enforcement partners to intercept and disrupt foreign drug shipments.

FEDERAL BUREAU OF INVESTIGATION

SALARIES AND EXPENSES

The agreement includes $9,748,686,000 for the salaries and expenses of the FBI, including $1,832,876,000 for Intelligence, $3,944,462,000 for Counterterrorism and Counterintelligence, $3,376,355,000 for Criminal Enterprises and Federal Crimes, and $594,993,000 for Criminal Justice Services. Within the funding provided, the agreement includes not less than $125,000,000 to increase the capacity and efficiency of the National Instant Criminal Background Check System (NICS). Within the funding provided, up to $5,000,000 shall be for the Public Corruption and Civil Rights Sections for additional expenses relating to the enforcement of 34 U.S.C. 12601; criminal enforcement under 18 U.S.C. 241–242; and administrative enforcement by the Department of Justice, including compliance with consent decrees or judgments entered into under such sections.

The agreement also includes funding at no less than the fiscal year 2020 level to support the FBI role at the National Bioforensic Analysis Center and to maintain its ongoing operations there. House report language on gun violence data is not adopted.

National Incident-Based Reporting System (NIBRS) Transition.—The FBI shall brief the Committees, not later than 90 days after the date of enactment of this Act, on the status of efforts to integrate NIBRS and the data it contains into the Uniform Crime Reporting Program, and provide progress reports every 180 days thereafter. The FBI shall also comply with directions in the House report regarding collection and publishing of crime statistics from all United States jurisdictions, including U.S. territories.

Data Analytics and Technical Tools.—The agreement includes additional resources to support the FBI's efforts to develop enterprise technical tools, modernize its network infrastructure, and improve its data analytics capabilities. Within the funds provided, the FBI is encouraged to explore opportunities to collaborate with research universities on advanced threat analysis, to develop advanced data analytics solutions that are tailored to the needs of FBI investigators.

Cyber Investigative Capabilities.—The agreement supports the FBI's cyber investigative capabilities, including the development of advanced technical capabilities to thwart enemies and to bolster the Cyber Action Teams (CATs) that deploy to sites of computer intrusion. Within the funds provided, the FBI is encouraged to develop partnerships with universities to develop and institute an evidence-based training program to more rapidly identify persons of interest, de-conflict information, track criminal markets, and detect matters that rise to the level of national security.

Combatting Modern Slavery and Human Trafficking.—The FBI is directed to continue to designate a lead agent in each field office as a Human Trafficking Program Coordinator. In addition, the FBI is urged to allocate additional resources to those field offices in States with the highest rates of modern slavery and human trafficking. Not later than 180 days after the date of enactment of this Act, the FBI shall submit a report on those field offices' capacity to investigate all crimes of slavery and human trafficking in their jurisdiction. The report should further detail any additional resources that have been provided to those field offices for these efforts.

Hate Crimes Reporting.—The FBI shall expeditiously submit the report required by the explanatory statement accompanying Public Law 116–93, on FBI efforts to ensure that all Federal, State, and local law enforcement agencies fully report hate crimes statistics, consistent with the Hate Crime Statistics Act of 1990 (Public Law 101–275) as amended, and the Matthew Shepard and James Byrd, Jr. Hate Crimes Prevention Act (Public Law 111–84).

Counter–Unmanned Aerial System (C–UAS).—The FBI is directed, through the Critical Incident Response Group and in consultation with the Federal Aviation Administration, to submit a report, not later than 180 days after the date of enactment of this Act, on the feasibility of establishing a C–UAS training program for State, local, and Tribal law enforcement. The report shall further detail the resource requirements for full-scale implementation of a C–UAS training program.

Terrorist Explosive Device Analytical Center (TEDAC), Hazardous Device School (HDS), and New Facilities.—The agreement strongly supports the FBI's efforts to create a campus for collocating FBI explosives and counter-IED programs and activities; to create advanced and specialized training capacities and capabilities to address requirements that cannot be satisfied at other FBI facilities; and to create options for FBI Executive management to proactively meet future operational and facilities requirements. The agreement provides no less than the fiscal year 2020 level for the operations of TEDAC and HDS. Furthermore, the agreement fully provides for the operations of new, collocated facilities expected to open in 2021, including the Operations Building, the Technology Building, and the TEDAC Explosive Technical Lab.

Human Rights Violations.—The FBI shall continue to investigate and support DOJ criminal prosecution of serious human rights crimes, including genocide, torture, use or recruitment of child soldiers, war crimes, and other crimes committed by serious human rights violators, at no less than the fiscal year 2020 enacted level, and shall continue to comply with direction in the explanatory statement accompanying Public Law 116–93, regarding the International Human Rights Unit, the Human Rights Violators and War Crimes Center, and FBI field office training. The FBI shall report on these efforts no later than 90 days after the date of enactment of this Act.

Security Advisory Opinion (SAO) Processing.—The FBI shall prepare an updated report on SAO processing, as required by the explanatory statement accompanying Public Law 116–93, to include any classified data, and submit it to the Committees not later than 120 days after the date of enactment of this Act.

National Data Exchange (N–DEx) System.—The FBI shall report not later than 120 days after the date of enactment of this Act on

which Criminal Justice Information Services databases, including N–DEx, are used for point-of-contact (POC) initiated firearm background checks; what barriers, if any, prevent incorporating N–DEx into POC background check processes, and how to overcome them; and how to raise State and local awareness of N–DEx.

NICS Protocols and Procedures.—The FBI shall submit a report, not later than 180 days after the date of enactment of this Act, describing how the FBI is addressing each recommendation in the OIG report ''Audit of the Handling of Firearms Purchase Denials Through the National Instant Criminal Background Check System'' (Audit Division 16–32). If the FBI is not implementing a recommendation, the report shall indicate whether the FBI intends to do so, and if not, the justification for not pursuing the recommended course of action. The report shall also identify any changes made to the Standard Operating Procedures to better process NICS inquiries within the three-day time period. All unclassified data shall be publicly released by the FBI.

FBI Police.—The FBI is encouraged to provide the Office of Personnel Management or other relevant agencies information or data required to assist with designating FBI Police officers as law enforcement officers in order to make their rates of basic pay, salary schedule, pay provisions, and benefits equivalent to those applicable to other similar law enforcement divisions that have such designation.

Internet Investigations.—The FBI and its partners investigate massive Internet-based child exploitation and human trafficking forums, which requires robust information sharing and technical tools to acquire evidence from the Darknet and other forums for prosecution. The FBI is directed to consider novel partnership and contracting strategies, along with its 21st Century training and technology initiatives, to acquire, develop, and implement advanced technical solutions to more rapidly exploit digital evidence and intelligence related to investigations targeting human trafficking and child exploitation efforts, both domestic and international.

Operational Medicine Program.—The agreement adopts the House report language on the Operational Medicine Program, and encourages the FBI to provide regular updates on this program and submit any recommendations for improvements.

CONSTRUCTION

The agreement includes $566,100,000 for FBI construction, which provides funding above the requested level for the FBI to address its highest priorities outside of the immediate national capital area, in addition to resources dedicated to secure work environment projects. The agreement does not include any funding for headquarters construction. The FBI is encouraged to work with the General Services Administration to submit a prospectus for a new, fully-consolidated headquarters building, including at one of the three previously vetted sites, which complies with prior Congressional directives and meets all Interagency Security Committee Level V security standards.

21st Century Facilities.—The agreement continues to support the FBI's long-term vision for collocating complementary mission operations while balancing the eventual transition into a new headquarters building with changing footprints at Quantico, Clarksburg, Huntsville, and Pocatello facilities. The delay in the new FBI headquarters project only exacerbates the need to secure viable space for supporting a variety of mission, workforce, and land requirements. The agreement provides funding at no less than the fiscal year 2020 enacted level to further support the FBI's 21st Century Facility plans, and the FBI is encouraged to transition from interim facilities to full operating capabilities, including plans for technological requirements. As part of this 21st Century Facility planning, the FBI should continue to research the feasibility of using public-private partnership opportunities, provided that the annual lease and operating costs are reasonable and the facilities can be securely constructed and maintained at a level that meets the FBI's requirements.

DRUG ENFORCEMENT ADMINISTRATION

SALARIES AND EXPENSES

The agreement includes a direct appropriation of $2,336,263,000 for the salaries and expenses of the DEA. In addition, DEA expects to derive $460,499,000 from fees deposited in the Diversion Control Fund to carry out the Diversion Control Program, resulting in $2,796,762,000 in total spending authority for DEA. The agreement includes $10,000,000 to assist State, local, and Tribal law enforcement agencies in efforts to remove and dispose of hazardous materials at methamphetamine and fentanyl labs and processing operations. DEA is encouraged to issue regional contracts with small businesses, to the maximum extent practical, from the region served by the contract.

Remote Prescribing of Controlled Substances.—DEA is directed to complete the requirements under section 3232 of the SUPPORT for Patients and Communities Act (Public Law 115–271) to promulgate regulations clarifying the limited circumstances in which Special Registration for Telemedicine may occur under the Ryan Haight Act (Public Law 110–425). DEA is further directed to brief the Committees on the status of these regulations not later than 30 days after the date of enactment of this Act.

Special Agent Staffing.—The agreement supports DEA's efforts to reverse the decline in special agent staffing to combat the ongoing methamphetamine and opioid crises, particularly in geographic areas most broadly harmed by methamphetamine and opioid trafficking.

Hemp Testing Technology.—DEA has developed field testing kits that can distinguish between hemp and marijuana on-the-spot. DEA is directed to continue to work to ensure State and local law enforcement have access to this field test technology so they can more efficiently conduct their drug interdiction efforts at the local level. DEA is further directed to report back, not later than 180 days after the date of enactment of this Act, and not less than every 6 months thereafter, until such time as testing kits are deployed to State and local law enforcement in the field.

Interdiction of Methamphetamines.—DEA is encouraged to consider whether Operation Crystal Shield should be expanded to additional U.S. locations that may serve as methamphetamine trafficking transportation hubs.

Delivery of a Controlled Substance by a Pharmacy to an Administering Practitioner.—DEA is directed to provide a briefing, not later than 30 days after the date of enactment of this Act, on its implementation of section 3204 of Public Law 115–271, and to ensure that providers and patients have access to all medication-assisted treatment options to address the opioid epidemic. This update should detail DEA's efforts to inform providers and dispensers of the new provisions and how they apply to FDA-approved opioid dependence treatment products.

Illegal Tetrahydrocannabinol (THC) Vaping Products.—DEA is directed to report, not later than 180 days after the date of enactment of this Act, on its efforts to interdict illicit vaping cartridges containing THC. This report shall assess how and to what extent such products are being marketed to children.

CONSTRUCTION

Expanded Laboratory Capacity in Order to Meet Testing Demands.—DEA field offices face a growing unmet demand for drug testing, particularly when division, district, and resident offices are not located in close proximity to a testing laboratory in the DEA Laboratory System. This issue is a critical risk for areas of the country that have been hardest hit by increases in synthetic drugs, including fentanyl, as well as rural offices or those divisions that do not have their own laboratories, as agents must drive long distances to reach the nearest laboratory for testing. The agreement provides $50,000,000 to construct a new laboratory, including other required facilities like warehouse space, to meet the growing needs for drug testing, including fentanyl, in the New England region.

BUREAU OF ALCOHOL, TOBACCO, FIREARMS AND EXPLOSIVES

SALARIES AND EXPENSES

The agreement includes $1,483,887,000 for the salaries and expenses of the Bureau of Alcohol, Tobacco, Firearms and Explosives.

Crime Gun Intelligence Centers (CGICs).—There are currently 25 CGIC sites across the country and ATF is encouraged to work with additional high-risk areas to identify solutions and metrics to demonstrate meaningful reductions in illegal gun trafficking and related violent crime.

United States-Mexico Firearms Trafficking.—ATF is directed to continue to provide to the Committees the information required by the explanatory statement accompanying Public Law 116–93.

Notification of Local Authorities.—ATF is encouraged to, when possible, notify local law enforcement when a felon in their jurisdiction tries to buy a firearm. If a NICS check is not completed within three days and a felon obtains a firearm, ATF is encouraged to notify and utilize the help of local law enforcement in retrieving the firearm.

House report language under ''Illegal Firearms'' and ''Ghost Guns'' is not adopted.

FEDERAL PRISON SYSTEM

SALARIES AND EXPENSES

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $7,708,375,000 for the salaries and expenses of the Federal Prison System. The agreement fully funds the requested $409,483,000 for programs and activities authorized by the First Step Act of 2018, including medication-assisted treatment.

For fiscal year 2021, within the funding provided, the Department is directed to continue following the directives in Senate Report 116–127, as adopted by Public Law 116–93, on the following topics: ''First Step Act (FSA) Implementation,'' ''Additional Requirements of the FSA,'' ''Residential Reentry Centers,'' and ''Freedom of Information Act Records''.

BOP is expected to hire additional full-time correctional officers in order to reduce the overreliance on augmentation and improve staffing beyond mission-critical levels in custody and all other departments, including medical, counseling, and educational positions. BOP shall provide quarterly reports to the Committees on the use of augmentation broken out by region, institution, and security level for each time such practice is employed. In addition, BOP shall include with its fiscal year 2022 budget submission, and each year thereafter, a detailed report for each Federal correctional facility at

which two or more Federal inmates have died in one calendar year, describing each incident and the role augmentation may have played in exacerbating the inherent dangers present at those locations.

Hiring, Staffing, and Inmate-to-Officer Ratios.—BOP shall continue to submit quarterly reports on inmate-to-correctional officer ratio as required by the explanatory statement accompanying Public Law 116–93, and to publish these reports on the BOP website. To the extent BOP does not currently record staffing by shift, it is directed to begin doing so and include such metrics in this report by the end of fiscal year 2021. Separately, BOP shall submit a report to the Committees regarding any incident involving the use of deadly force at an institution with a staffing ratio greater than 15:1, explaining any role staffing levels may have played in the incident, and describing a detailed plan to prevent recurrence of such incidents.

Vacancies.—BOP is directed to improve hiring policies to ensure that, within the funding provided, it can promptly fill existing and future vacancies in order to staff its 122 Federal facilities at January 2016 levels, and forgo further position eliminations. BOP shall report not later than 90 days after the date of enactment of this Act on the number of vacancies at each facility, further detailed by job title, job series, and General Schedule level as well as the number of applicants going through the hiring process for each vacant position. DOJ is directed to explore ways to expedite BOP hiring, such as working with OPM to provide expedited hiring for BOP facilities with vacancy rates exceeding ten percent and making use of recruitment and retention bonuses. BOP shall describe such efforts in the aforementioned report.

BOP is directed to continue to ensure at least two correctional officers are on duty for each housing unit for all three shifts at all high-security institutions, including United States Penitentiaries and Administrative and Federal Detention Centers. BOP is directed to continue to submit quarterly reports showing compliance with this directive and to provide a cost estimate and strategic plan for implementation at medium-security institutions that currently do not have a second officer for all three shifts.

Inmate Health Care.—GAO is directed to examine inmate healthcare, including, but not limited to: the percentage of inmates that receive medical assistance under a State plan under title XIX of the Social Security Act (42 U.S.C. 1396 et seq.); inmate access to healthcare services and providers, including specialty care; the quality of healthcare services provided to inmates; the percentage of inmates who, upon release, are enrolled under such a State plan and connected to a primary care provider in their community; and trends in the prevalence and incidence of illness and injury among inmates.

Inmate Mental Health Care and Restrictive Housing.—BOP is encouraged to continue to develop evidence-based policies and appropriate facilities to enable BOP to operate safely while properly caring for inmates with mental illness, and to expeditiously submit its report on the resolution of recommendations from the July 2017 OIG report on ways to improve BOP screening, treatment, and monitoring of inmates with mental illness in restrictive housing units. BOP is also directed, within the funding provided, to reduce the number of Federal inmates in restrictive housing, including by opening transition units and other specialized units for populations often sent to restrictive housing, and by working with regional directors and wardens to address the widespread reliance on restrictive housing.

Contraband Cell Phones in Prison Facilities.— The agreement supports the budget request for contraband cellphone detection technology. BOP is directed to submit, not later than 180 days after the date of enactment of this Act, either a detailed plan for the deployment of a whole-complex jamming pilot, or an exhaustive explanation of the rationale, including health and safety considerations, that would necessarily preclude such a deployment.

Land Mobile Radio (LMR) Communications.—BOP is directed to develop a plan to update its LMR and video security systems in facilities where aging communications infrastructure and equipment pose a threat to officer safety, and to submit the plan to the Committees not later than 180 days after the date of enactment of this Act.

Medication-Assisted Treatment (MAT).—BOP shall consider all three forms of FDA-approved MAT as it expands access, and is expected to continue hiring healthcare staff, including physicians, pharmacists, nurses, and drug counselors, in order to properly meet inmates' medical needs, including those receiving MAT. BOP is directed to continue to report quarterly on the number of individuals who are screened for MAT, are seeking MAT, have received MAT, or are on a wait list for MAT. These categories should be further broken out by institution or residential reentry center (RRC) and type of MAT.

Procurement of Food Products.—BOP is directed to report to the Committees not later than 30 days after the date of enactment of this Act on how it is implementing the recommendations in the March 2020 OIG Management Advisory Memorandum on food procurement to ensure such food meets contract specifications and does not endanger the health of inmates and staff. BOP is further directed to examine how it can leverage contracts and services with local and regional businesses, including farmers, ranchers, food processors and other food vendors in order to lower costs while providing higher quality meals, and report on its findings not later than 180 days after the date of enactment of this Act.

Inmate Access to Mail.—BOP is directed to implement and expand solutions, like those that allow photographs or handwritten letters to be scanned and reprinted at secure off-site locations and mailed directly to a correctional facility, or allow digital photographs and letters to be uploaded through a website or app and then printed at and mailed from a secure location, which are capable of eliminating the risk of contraband while maintaining inmates' access to mail from friends and family. Such solutions should not require additional equipment or changes to current infrastructure, should address any specific concerns relating to legal mail, and should ensure the highest degree of fidelity between the facsimiles and the originals. BOP is further directed to report, not later than 180 days of the date of enactment of this Act, on the status of mail scanning pilot programs currently occurring at two institutions, the resources needed to further expand solutions to mitigate the threat of contraband in mail to inmates, and to identify those resources requirements in its fiscal year 2022 budget request.

Subsistence Fees.—In lieu of House section 551, BOP is directed to report to the Committees, no later than 60 days after the date of enactment of this Act, on its current and planned efforts to notify persons in RRCs of the procedures for applying for subsistence fee waivers.

Communicable Diseases and Prisons.—The incarcerated population faces significantly higher risks of acquiring a communicable disease. BOP policy requires that prison protocols include an assessment of inmate immunizations and the provision of basic medical care, including hepatitis B and C testing and treatment, as well as preventive health services such as immunizations. However, the OIG reported in 2016 that some BOP facilities were not complying with this policy. The Department is directed to report not later than 270 days after enactment of the Act on the progress of efforts to achieve compliance with the protocols since the 2016 OIG report. The report should identify gaps in services and barriers to provision of immunization services; identify potential collaborations with health organizations to address identified disparities; and recommend ways to close them.

Home Confinement.—In lieu of the House report language, the agreement directs BOP to submit a report, not later than 60 days after the date of enactment of this Act, on home confinement and compassionate release. This report shall address the eligibility determination process, as well as implementation of home confinement-related provisions of the First Step Act and the Attorney General's memoranda dated March 26, 2020 and April 3, 2020. The report should further provide an update required by the explanatory statement accompanying Public Law 116–93.

BUILDINGS AND FACILITIES

The agreement includes $127,000,000 for the construction, acquisition, modernization, maintenance, and repair of prison and detention facilities housing Federal inmates. BOP shall proceed with ongoing planned and associated new construction efforts to meet projected capacity requirements, as identified in its monthly status of construction reports to the Committees. BOP is directed to continue to provide such reports on a monthly basis, along with notifications and explanations of any deviation from construction and activation schedules, and any planned adjustments or corrective actions.

Modernization and Repair (M&R) of Existing Facilities.—BOP is expected to apply the funding to reduce its longstanding M&R backlog, and is directed to prioritize funding for repairs that protect life and safety, and at facilities assessed as having deficiencies of a geological and seismic nature. BOP shall continue to provide monthly status of construction reports and notify the Committee of any changes reflected in those reports. BOP is further directed to continue providing a schedule and timeline for repairs of facilities with geological and seismic deficiencies and include updates in the monthly M&R reports.

LIMITATION ON ADMINISTRATIVE EXPENSES, FEDERAL PRISON INDUSTRIES, INCORPORATED

The agreement includes a limitation on administrative expenses of $2,700,000 for Federal Prison Industries, Incorporated.

STATE AND LOCAL LAW ENFORCEMENT ACTIVITIES

In total, the agreement includes $3,385,300,000 for State and local law enforcement and crime prevention programs. This amount includes $2,950,300,000 in discretionary budget authority, and $435,000,000 derived by transfer from the Crime Victims Fund. The agreement also includes $119,000,000 scored as mandatory for Public Safety Officer Benefits.

For fiscal year 2021, the Department is directed to continue following the directives required by Public Law 116–93, on the following topics: ''Management and Administration Expenses,'' ''Grant Funds for Rural Areas,'' ''Science Advisory Board,'' ''Post-Conviction Relief for Trafficking Victims,'' ''Consent Decrees and Grant Assistance,'' and ''Peer-to-Peer Training.''

Sufficient Number of Qualified Applicants.—OJP is directed to submit an annual report on grant programs that have not received a sufficient number of qualified applicants.

Submission of Officer Training Information.—The Department has been directed to collect data on officer training each subsequent year as part of both the Edward Byrne Memorial Justice Assistance Grants (Byrne-JAG) and COPS Hiring application processes, including the number and rank of officers trained, as well as the type of training, including use of force, de-escalation, racial and ethnic bias, and community engagement. This data was directed to be provided to BJS in order to begin a data set on officer training. The public report and publication of a data set, required by Public Law 116–93, is overdue, and the Department is directed to release it immediately.

Grant Funding Set-Asides.—The Department is directed to continue providing a comprehensive report as described in Public Law 116–93 concurrently with the spending plan regarding grant set-asides.

Tribal Grants and Victim Assistance.—The agreement provides a total of $92,500,000 in discretionary grant funding for Tribes as follows: $46,000,000 within the Office of Justice Programs (OJP) for Tribal assistance; $10,000,000 for a Tribal youth program within the Office of Juvenile Justice and Delinquency Prevention (OJJDP); $29,500,000 for Tribal Resources and $3,000,000 for a Tribal Access Program within the Community Oriented Policing Services (COPS) Office; and $4,000,000 for a special domestic violence criminal jurisdiction program within the Office on Violence Against Women (OVW). In addition, a total of $52,589,255 is provided to Tribal governments and Tribal coalitions in OVW funding as part of set-asides determined by program statute. For Tribal assistance grants within OJP, funding is to be used to support efforts to help Tribes improve the capacity of their criminal and civil justice systems. OJP is expected to consult closely with Tribal stakeholders in determining how Tribal assistance funds will be awarded for detention facilities, including outdated detention facilities that are unfit for detention purposes and beyond rehabilitation; courts; alcohol and substance abuse programs; civil and criminal legal assistance; and other priorities. OJP is directed to submit, as part of the Department's spending plan for fiscal year 2021, a plan for the use of these funds that is informed by such consultation.

The agreement also includes a 5 percent set-aside for Tribes within the CVF. OVC is directed to consult closely with Tribal stakeholders to improve services for Tribal victims of crime, to include expanded purpose areas described in the OVC final rule effective August 8, 2016. OVC shall continue to follow direction required by Public Law 116–93 regarding grant application requirements, accountability, and assistance. The Department is directed to give Tribes maximum flexibility in use of funds in order to best meet the unique needs of victims in Tribal communities. The Department is also directed to streamline administrative requirements as much as possible to increase accessibility for those most in need in Indian Country.

Human Trafficking in Indian Country.—The Department is encouraged, in coordination with the Departments of the Interior and Health and Human Services, to work to address the need for and impact of Federal grant assistance regarding human trafficking in Indian Country, to ensure that Federal dollars are used effectively and efficiently. The Department is directed to report, not later than 180 days after the date of enactment of this Act, on its efforts to coordinate Federal grant programs to address trafficking in Indian Country. This report should compile data on the severity of the problem and the impact of grant assistance and identify instances of high administrative costs or burdens within programs.

STOP School Violence Act Grants.—In lieu of House report language on school design, the Department is encouraged to continue its ongoing work with the Departments of Homeland Security and Education through the School Safety Clearinghouse, which facilitates and coordinates interagency efforts to assess and share best practices related to school security resources, technologies, and innovations as well as identify safe school design practices for use by education agencies, law enforcement agencies, schools, architects, and engineers. The agreement includes a total of $132,000,000 for STOP School Violence grants, and this funding is directed to be distributed for covered purpose areas provided under the STOP School Violence Act of 2018.

DOJ Grant Oversight.—The Department is encouraged to review its multi-year grant award processes and protocols to ensure grantees have fully complied with the rules of year-one funding before year-two funding is disbursed in multi-year grant awards, and to continue efforts to identify high-risk grantees, so as to increase fiscal responsibility throughout the grant making process. It is recommended that the Department promptly complete and publish an internal review of the program, to inform efforts to implement a high-risk grantee designation in other Federal agencies.

OFFICE ON VIOLENCE AGAINST WOMEN

VIOLENCE AGAINST WOMEN PREVENTION AND PROSECUTION PROGRAMS

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $513,500,000 for the Office on Violence Against Women. These funds are distributed as follows:

VIOLENCE AGAINST WOMEN PREVENTION AND PROSECUTION PROGRAMS

[In thousands of dollars]

Program	Amount
STOP Grants	$215,000
Transitional Housing Assistance	40,000
Research and Evaluation on Violence Against Women	2,500
Consolidated Youth-Oriented Program	12,000
Grants to Encourage Arrest Policies	53,000
Homicide Reduction Initiative	(4,000)
Sexual Assault Services Program	41,000
Rural Domestic Violence and Child Abuse Enforcement	45,000
Violence on College Campuses	20,000
Civil Legal Assistance	47,000
Elder Abuse Grant Program	5,500
Family Civil Justice	18,000
Education and Training for Disabled Female Victims	6,500
National Resource Center on Workplace Responses	1,000
Research on Violence Against Indian Women	1,000
Indian Country—Sexual Assault Clearinghouse	500
Tribal Special Domestic Violence Criminal Jurisdiction	4,000
Rape Survivor Child Custody Act	1,500
Total, Violence Against Women Prevention and Prosecution Programs	$513,500

Community-Based Organizations.—In lieu of the House report language regarding Community-Based Organizations, the Department shall submit a report to the Committees on the number of community-based organizations that provide culturally specific services and the amounts allocated to these organizations in fiscal years 2018, 2019, and 2020, as well as estimates for fiscal year 2021. The Department shall report this information to the Committees not later than 90 days after the date of enactment of this Act.

Grants to Encourage Arrest Policies.—The agreement supports survivor safety and recovery, and service coordination, for improving the criminal justice response to domestic violence, dating violence, sexual assault and stalking. In executing the Grants to Encourage Arrest Policies/Improving the Criminal Justice Response program, the Department is expected to make funding under this program open to all eligible entities, including victim service providers consistent with the statutory authority.

Statutory Set-Asides.—The underlying statutes for several grant programs, including the Services, Training, Officers Prosecutors (STOP) Formula Grant Program and the Sexual Assault Services Formula Grant Program (SASP), outline set-asides for Tribal governments and coalitions, culturally specific community-based organizations, and organizations providing services to underserved populations. These set-asides will provide a total of $69,899,255 for fiscal year 2021 with $52,589,255 for Tribal governments and coalitions, $11,950,000 for culturally specific organizations and $5,360,000 to meet the needs of underserved populations. OVW shall ensure that the full amounts provided for in the authorizing statutes are released to these groups expeditiously.

OFFICE OF JUSTICE PROGRAMS

RESEARCH, EVALUATION AND STATISTICS

The agreement provides $82,000,000 for the Research, Evaluation and Statistics account. These funds are distributed as follows:

RESEARCH, EVALUATION AND STATISTICS

[In thousands of dollars]

Program	Amount
Bureau of Justice Statistics	$45,000
Data Collection on Police Suicide	(3,000)
National Institute of Justice	37,000
Research on Domestic Radicalization	(6,000)
Research of School Safety	(1,000)
Research to Reduce Trauma for Child Pronography Victims	(1,500)
National Model for Reducing Incarceration Rates	(4,000)
Research on C–UAS	(2,000)
Total, Research, Evaluation and Statistics	$82,000

The agreement does not adopt House report language regarding a study addressing delayed law enforcement response to investigators' questions and an evaluation of data on stops and searches.

Spending Plans.—The Department is directed to submit, as part of its spending plan for State and Local Law Enforcement Activities, a plan for the use of all funding administered by the National Institute of Justice (NIJ) and the Bureau of Justice Statistics (BJS), respectively, for approval by the Committees prior to the obligation of any such funds.

Study on Reducing Racial Disparities.—In lieu of House language, the Department is directed to award a research grant for an evidence-based, nonpartisan analysis of existing evidence to examine how observed racial and ethnic disparities in the justice system might be reduced through public policy. The study should be awarded via a competitive grant process open to all applicants to promote the most rigorous research to be applied to this important question.

Law Enforcement Management and Administrative Statistics (LEMAS) Survey.—BJS is directed to immediately begin the next installment of the LEMAS survey if it has not already done so, in order to complete publication by September 30, 2021. BJS is further directed to submit a plan to publish this data on a more regular schedule, and to identify the resources necessary for that purpose, not later than 90 days after the date of enactment of this Act.

Pretrial Detention.—In lieu of House report language regarding pretrial detention, it is expected that the results from the National Pretrial Reporting Program (NPRP), and Local Jails Reporting Program (LJRP) will fill the gap in currently collected data on the pretrial population and produce estimates of the demographic breakdown, types of offenses, and bail characteristics of the pretrial population.

Prison Suicide Incidence Report.—In lieu of House report language regarding Prison Suicide Incidence Reporting, the BJS shall submit to the Committees a report detailing a

comprehensive statistical review and analysis of the incidence of prison suicide not later than 180 days after the date of enactment of this Act. The statistical review and analysis should include the identification of the common characteristics of victims of prison suicide and prisons and prison systems with a high incidence of prison suicide. In addition, the Department is directed to include recommendations for possible mitigation strategies and changes to Federal laws and regulations.

Death in Custody Reporting Act (DCRA.)—In a December 2018 report, the OIG examined DCRA compliance and found that BJS had abandoned three different proposals for data collection, thereby delaying the process until fiscal year 2021. BJS is requested to publish the collections for fiscal years 2017, 2018, 2019, and 2020 by September 30, 2021. If that deadline cannot be met, BJS must notify the Committees as to the reason for the delay.

Research to Reduce Trauma for Child Pornography Victims.—The agreement provides $1,500,000 for NIJ to administer a competitive grant to an accredited research university for a study of best practices to reduce the trauma of children affected by child pornography investigations. While some best practices have been adopted by law enforcement agencies who investigate these crimes, often referrals, access, and utilization of services for child victims remains sporadic and inconsistent. As a result, this study should produce a report with concrete recommendations for improving and synchronizing law enforcement best practices for ensuring child victims' well-being during and after the investigation into the crime.

National Model for Reducing Incarceration Rates for Minor Parole Violations.—Poor coordination within the criminal justice system, coupled with a lack of support systems for affected individuals, can result in unnecessary incarceration rates, create a heavy financial burden for States and localities, and impose employment losses and societal costs on the incarcerated and their friends and family. To address these issues, this agreement includes $4,000,000 for grants to academic partners who can design and test models, to expedite judicial review for technical violations of supervision, while linking individuals to evidence-based services that address the root causes of recidivism. Grantees should work to produce and test models that can be replicated on a national scale.

Research on Counter Unmanned Aircraft Systems (C–UAS).—This agreement supports the Department's efforts to address and mitigate the threats to public safety and national security caused by UAS. This agreement includes $2,000,000 for NIJ to support the research, testing, and evaluation of C–UAS in DOJ law enforcement operations. The agreement recommends this research, testing, and evaluation be conducted with Federal Aviation Administration-designated UAS Test Sites.

Understanding the Effects of Human Trafficking.—Within the funds provided, NIJ is directed to develop and conduct studies consistent with those required by section 201(a)(1) of the Trafficking Victims Protection Act of 2005 (34 U.S.C. 20701(a)(1)). Furthermore, this agreement reiterates the Committees' previous direction for NIJ to conduct a study on the physical and psychological effects of severe forms of human trafficking, as required by section 20 of Public Law 115–392. NIJ is directed to provide a status report on this study not later than 30 days after the date of enactment of this Act.

Interruption of Health Care Coverage in Pre-Trial Settings.—NIJ is encouraged to study the impact of the interruption of medical, mental health, and addiction treatment coverage in pre-trial settings on individuals' health coverage, reentry, and on State and local criminal justice budgets.

Data-Driven Policing and Courts.—NIJ is encouraged to fund multi-year grants to educational institutions that have shown excellence in criminal justice data-driven analysis and decision-making, implementation science, and training. Grant recipients should focus on increasing utilization of data interventions proven effective and backed by research findings at the State and local level, and on developing systems to standardize courts and corrections data. Applicants should propose how they would work with surrounding States to develop a regional profile on crime and criminal justice and serve as a repository for data that can be readily used for program solving, analysis, and evaluation.

Correctional Education Evaluation.—NIJ is directed to establish a public-private partnership with research and correctional institutions to collect and evaluate data to continue to advance the research on the impact of correctional education on recidivism.

Research on Gunshot Detection Technology (GDT).—In lieu of the House report language regarding gunshot detection, the Committees note that funding provided to NIJ in fiscal year 2015 supported a research project titled, ''Evaluating Gunshot Detection Technology to Aid in the Reduction of Firearms Violence''. The results of this project were published in September 2019 as NCJ Number 254283, and this report is publicly available online. NIJ is encouraged to update this research effort, including the review of new advancements in GDT technology and the expanded number of site locations.

Data on Police Suicide.—BJS was directed to start the process of maintaining a data set on police suicide for Federal, State, and local law enforcement by Public Law 116–93. As with the data collection on officer training described under ''Submission of Officer Training Information'' under State and Local Law Enforcement Activities, the Department is directed to request that State and local law enforcement report on police suicides within their agencies as part of both the Byrne-JAG and COPS Hiring Program application processes. As BJS also maintains the DCRA data collection, the methods used for DCRA could also be applied to gain data on police suicide. The agreement provides $3,000,000 to assist with this effort and directs that BJS brief the Committees, not later than 60 days after the date of enactment of this Act, on the status of this data collection, methods for obtaining better data from law enforcement agencies, and ongoing resource needs. A public report with full data analysis is to be released by September 30, 2021, and data shall be collected and published annually.

STATE AND LOCAL LAW ENFORCEMENT ASSISTANCE

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $1,914,000,000 for State and Local Law Enforcement Assistance programs. These funds are distributed as follows:

STATE AND LOCAL LAW ENFORCEMENT ASSISTANCE

(In thousands of dollars)

Program	Amount
Byrne Memorial Justice Assistance Grants	$484,000
Officer Robert Wilson III VALOR Initiative	(13,000)
Smart Policing	(8,000)
Smart Prosecution	(8,000)
NamUS	(2,400)
Officer Training for Responding to People w/Mental Illness/Disability	(7,500)
John R. Justice Grant Program	(2,000)
Prison Rape Prevention and Prosecution	(15,500)
Kevin and Avonte's Law	(3,000)
National Center on Forensics	(4,000)
Project Safe Neighborhoods	(20,000)
Capital Litigation & Wrongful Conviction Review	(7,000)
Community Based Violence Prevention	(14,000)
National Center for Restorative Justice	(3,000)
Ashanti Alert Network	(1,000)
Family Alternative Sentencing Pilots	(3,500)
Child Advocacy Training	(1,000)
Rural Violent Crime Initiative	(7,000)
Managed Access Systems	(2,000)
Family Friendly Visitation Spaces in Prisons/Jails	(2,000)
State Criminal Alien Assistance Program	244,000
Victims of Trafficking Grants	85,000
Economic, High-tech, White Collar and Cybercrime Prevention	12,000
Intellectual Property Enforcement Program	(2,500)
Internet of Things	(2,000)
Adam Walsh Act Implementation	20,000
Patrick Leahy Bulletproof Vest Partnership Grant Program	30,000
Transfer to NIST/OLES	(1,500)
National Sex Offender Public Website	1,000
National Instant Criminal Background Check System (NICS) Initiative	85,000
NICS Acts Record Improvement Program	(25,000)
Paul Coverdell Forensic Science	33,000
DNA Initiative	141,000
Debbie Smith DNA Backlog Grants	(110,000)
State, Local and Federal Forensics Activities	(19,000)
Kirk Bloodsworth Post-Conviction DNA Testing Grants	(8,000)
Sexual Assault Forensic Exam Program Grants	(4,000)
Community Teams to Reduce the Sexual Assault Kit (SAK) Backlog	48,000
CASA—Special Advocates	12,500
Tribal Assistance	46,000
Second Chance Act/Offender Reentry	100,000
Smart Probation	(6,000)
Children of Incarcerated Parents Demo Grants	(5,000)
Project HOPE Opportunity Probation with Enforcement	(4,500)
Pay for Success	(7,500)
Anti-Opioid Initiative	394,000
Drug Courts	(83,000)
Mental Health Courts	(35,000)
Residential Substance Abuse Treatment	(34,000)
Veterans Treatment Courts	(25,000)
Prescription Drug Monitoring	(32,000)
Comprehensive Opioid, Stimulant, and Substance Abuse Program	(185,000)
Keep Young Athletes Safe Act of 2018	2,500
STOP School Violence Act	79,000
Emmett Till Grants	2,000
Hate Crimes Prevention Act Grants	5,000
Community Trust Initiative	90,000
Body Worn Camera Partnership Program	(35,000)
Justice Reinvestment Initiative	(33,000)
Byrne Criminal Justice Innovation Program	(22,000)
Total State and Local Law Enforcement Assistance	$1,914,000

For fiscal year 2021, DOJ is directed to follow prior year report language, included in Senate Report 116–127 and adopted in Public Law 116–93, on ''Capital Litigation Improvement and Wrongful Conviction Review'', ''Project Safe Neighborhoods'', ''Group Violence Intervention (GVI)'', ''Gunfire Detection Technology'', ''Grants to Combat Human Trafficking'', ''Patrick Leahy Bulletproof Vest Partnership Grant Program'', ''Sexual Assault Kit Initiative'', and ''Keep Young Athletes Safe Act''.

Law Enforcement Training.—In lieu of House report language regarding law enforcement training, the agreement recognizes that training with regard to use of force, racial profiling, implicit bias, procedural justice, efforts to gain accreditation, development of uniform standards, implementation of innovative law enforcement and non-law enforcement strategies, and the establishment of crisis intervention teams can be among the permissible uses of Byrne-JAG funding.

High-Risk Vehicle Events.—The National Incident-Based Reporting System (NIBRS) data collection currently captures a subset of deaths or injuries associated with vehicular pursuits, including deaths or injuries to law enforcement officers and deaths of suspects. In lieu of House report language regarding data on high-risk vehicle events, BJS is encouraged to study the feasibility of developing a data collection process that more accurately captures the number of deaths and injuries from police pursuit and high-risk vehicle events, and include an analysis of the potential obstacles to capturing such data as well as data on bystanders injured or killed during police pursuits.

Smart Policing.—The agreement includes $8,000,000 for Smart Policing. DOJ is directed to prioritize applications for the development of real-time crime centers in communities with high rates of violent and gun crime.

Officer Training on Responding to People with Mental Illness or Disabilities.—The agreement includes $7,500,000 for a competitive grant program to award grants to State and local law enforcement and correctional entities to educate, train, and prepare officers so that they are equipped to appropriately interact with mentally ill or disabled individuals in the course of completing their job responsibilities. This training should be developed in conjunction with healthcare professionals to provide crisis intervention training focused on understanding mental and behavioral health, developing empathy, navigating community resources, de-escalation skills, and practical application training for all first responders. OJP is expected to track the results of this grant program in order to better establish best practices for law enforcement agencies. OJP is directed to submit a plan for implementing this grant program as part of the fiscal year 2021 spending plan.

National Center on Forensics.—The agreement includes $4,000,000 for a National Center on Forensics. The National Center on Forensics shall be housed at an accredited university of higher education, with medical and law schools affiliated within the same university system, and work in partnership with a full-service and independent State department of forensic science with a medical examiner function, that is located in the same State as the partner accredited university. The Center is to provide medico-legal learning opportunities for medical students to train as deputy medical examiners/coroners in underserved rural areas; provide forensic science and legal training to district attorneys, judges, and law enforcement; and develop opportunities as appropriate among the designated partners to benefit current and future practitioners in the field.

National Center on Restorative Justice.—The agreement provides $3,000,000 to continue a partnership with an accredited university of higher education and/or law school for the purposes of supporting a National Center on Restorative Justice to educate and train the next generation of justice leaders. The Center shall also continue to support research focusing on how best to provide direct services to address social inequities, such as simultaneous access to substance abuse treatment and higher education. Further, the Center shall expand educational opportunities for those under sentence and in a court-supervised substance abuse program, and, through research and evaluation, the Center shall disseminate reports on the impact of attitudes, recidivism, and costs of the educational initiatives.

Ashanti Alert Act Implementation.—The agreement includes $1,000,000 for continued efforts to implement the Ashanti Alert Act (Public Law 115–401) in order to further establish this network that assists regional and local search efforts in locating missing adults. This funding shall be provided to directly assist State and local government and law enforcement in order to develop or expand their missing adult communications networks. OJP is directed to submit, no later than 90 days after the enactment of this Act, a status report on continued Ashanti Alert Act implementation.

Family-Based Alternative Sentencing Pilot Programs.—Several States have recently implemented family-based alternative sentencing pilot programs for parents, typically primary caregivers, who have been convicted of non-violent offenses. These programs allow parents to remain with their dependent children while receiving services, including drug treatment, job training, and counseling, rather than being incarcerated. The agreement includes $3,500,000 for grants in support of such programs, to demonstrate the extent to which these programs can reduce costs to the criminal justice and foster care systems. OJP is directed to provide a plan for this grant program to the Committees not later than 45 days after enactment of this Act.

Child Advocacy Training.—The Report of the Attorney General's National Task Force on Children Exposed to Violence acknowledged the need to include curricula in post-secondary educational programs to ensure that every child- and family-serving professional receives training in multiple evidence-based methods for identifying and screening children for exposure to violence. The agreement includes $1,000,000 for a competitive grant program to support child advocacy training in undergraduate programming and continuing education. The grants should support the training of future mandated reporters and child protection professionals and support efforts across the country to train child protection professionals in the field, including law enforcement officers, social workers, mental and medical health professionals, and prosecutors.

Rural Violent Crime Initiative.—The agreement includes $7,000,000 for a rural violent crime initiative, with grants to be awarded on a competitive basis to small law enforcement agencies in rural locations. Grants are to support improved training and technology, expanded community-based crime prevention programs, and partnerships with victim service providers. This initiative is intended to improve communication and collaboration between State, local, and Tribal law enforcement agencies and the communities they serve, to address the unique criminal justice challenges in rural areas.

Community-Based Violence Prevention (CBVP).—The agreement includes $14,000,000 for CBVP and directs that these funds support evidence-based and data-driven intervention, prevention, and deterrence focused initiatives that aim to reduce violence. These initiatives should be focused on areas that are disproportionately impacted by violent crime including areas experiencing high rates of illegal firearms arrests and homicides. Projects are to be competitively awarded and require close collaboration among law enforcement, service providers, and community-based organizations. Projects shall employ community-based strategies including conflict mediation, street outreach, GVI, and hospital-based violence intervention programs associated with homicide reductions.

Drug-Detection Canines.—The rise of drug trafficking, including that of methamphetamines, within the United States and along our borders has created increased demand for drug-detection canines for local and State law enforcement. The Department is reminded that the purchase of drug detection canines is a permissible use of Byrne-JAG grant funds. The Department is directed to, where possible, further clarify within other existing programs, including the AFF's Equitable Sharing Program, that canines are a permissible use of Federal funding.

Combatting Contraband Cell Phones in Prisons and Jails.—OJP is directed to publicize that managed access systems and other mitigation technologies are a permissible use of Byrne-JAG funds, including through statements on its website, in 'FAQs,' and in Byrne-JAG solicitations. OJP is further directed to report, as part of its fiscal year 2021 spending plan, on the efforts it will take to promote awareness of these systems in future Byrne-JAG award cycles.

Fentanyl Detection.—DOJ is encouraged to support the use of grant funds, such as Byrne-JAG funds, for the purchase of fentanyl detection equipment and training as well as naloxone distribution for law enforcement safety.

Internet of Things Device Capabilities.—Currently, no database exists of capabilities of Internet of Things devices, for training on options and best practices for handling of evidence to meet judicial standards and privacy concerns. To meet this need, $2,000,000 shall be dedicated for a separate competitive grant program in order to provide four awards of not less than $500,000 each for institutions of higher learning that provide training in computer forensics and digital investigation to develop a database on Internet of Things device capabilities and to build and execute training modules for law enforcement.

Paul Coverdell Forensic Science.—The agreement provides a total of $33,000,000, of which $17,000,000 is to specifically target the challenges the opioid and synthetic drug epidemic has brought to the forensics community, as required by the explanatory statement accompanying Public Law 116–93.

Compliance with Statutory Requirements.—Section 3 of the Justice for All Reauthorization Act of 2016 (Public Law 114–235) requires that, for fiscal year 2021, not less than 75 percent of the amounts made available to the Attorney General for a DNA Analysis and capacity enhancement program and for other local, State, and Federal forensic activities be provided for grants for activities described under paragraphs (1), (2), and (3) of section 2(a) of the DNA Analysis Backlog Elimination Act of 2000 (Public Law 106–546). OJP is directed to comply with this requirement by ensuring that at least 75 percent of the amount appropriated for these programs is awarded for these purposes. Additionally, the Justice Served Act of 2018 (Public Law 115–257) requires that not more than 7 percent and not less than 5 percent of the funds allocated for the Debbie Smith DNA Backlog Grant Program be used for grants for prosecutors to increase the capacity of State and local prosecution offices to address cold cases involving violent crime, where suspects have been identified through DNA evidence. The Department is directed to implement the Justice Served Act of 2018 in accordance with the clear intent of Congress, and to ensure that not more than 7 percent and no less than 5 percent of the funds provided under the Debbie Smith program are allocated for the purpose of increasing the capacity of State and local prosecutors to address cold cases.

Second Chance Act (SCA) Grants and Drug Treatment.—SCA funding is expected to support grants that foster the implementation of strategies that have been proven to reduce recidivism and ensure adults released from prisons and jails safely and successfully reenter their communities. The agreement supports the Office of Management and Budget's scoring mechanism for SCA grant funding as it relates to opioid abuse and the heroin epidemic. In addition, when awarding SCA grants, OJP is directed to consider the impact of reentry of prisoners on communities in which a disproportionate number of individuals reside upon release from incarceration. OJP shall assess the reentry burdens borne by local communities and local law enforcement agencies; review the resources available in such communities to support successful reentry and the extent to which those resources are used effectively; and make recommendations to strengthen the resources in such communities which are available to support successful reentry and

to lessen the burden placed on such communities by the need to support reentry.

Project HOPE Institute.—The agreement provides $4,500,000 for Project HOPE, of which not less than $500,000 shall be directed to establishing a Project HOPE Institute to provide training, technical assistance, and best practices for jurisdictions replicating the HOPE model. As this same funding level was provided in fiscal year 2020, OJP is directed to submit a report, no later than 90 days after the enactment of this Act, describing the efforts to establish a Project HOPE Institute and the assistance provided in replicating the HOPE model.

Comprehensive Addiction and Recovery Act (CARA) Programs.—OJP is directed that funding for the Comprehensive Opioid, Stimulant, and Substance Abuse Program (COSSAP) be focused on prevention and education efforts, effective responses to those affected by substance abuse, and services for treatment and recovery from addiction. Of the $185,000,000 for COSSAP, no less than $11,000,000 shall be made available for additional replication sites employing the Law Enforcement Assisted Diversion (LEAD) model, with applicants demonstrating a plan for sustainability of LEAD-model diversion programs; no less than $5,500,000 shall be made available for education and prevention programs to connect law enforcement agencies with K–12 students; and no less than $10,500,000 shall be made available for embedding social services with law enforcement in order to rapidly respond to drug overdoses where children are impacted.

OJP is encouraged to ensure that funds provided for residential substance abuse treatment for State prisoners are being used to treat underlying mental health disorders, in addition to substance abuse disorders. Within the funding provided for drug courts, OJP is encouraged to give attention to States and localities that have the highest concentrations of opioid-related cases, and to prioritize assistance to underserved areas whose criminal defendants currently have relatively little opportunity to access drug courts and coordinate, as appropriate, with other Federal agencies such as the Department of Health and Human Services, as it implements these activities in order to avoid duplication. OJP is directed to include appropriate long-acting medications, including injectable anti-psychotic medication, as an allowable expense to improve treatment adherence and reduce risk for relapse and re-incarceration.

Additionally, the Department is urged to provide funding in accordance with section 14002 of the 21st Century CURES Act of 2016 (Public Law 114–255) for court-ordered assisted outpatient treatment as authorized in law. Finally, the 21st Century CURES Act authorized the funding of Forensic Assertive Community Treatment (FACT) Initiatives as part of the adult and juvenile collaboration program grants. OJP is encouraged to make funding available for FACT Initiatives within these programs.

Body-Worn Camera Partnership Program.—It is recommended that jurisdictions continue to: (1) develop camera policies and procedures with community input; (2) commit to a set of narrow and well-defined purposes for which cameras and their footage may be used; (3) specify clear operational policies for recording, retention, and access; (4) require training for both the proper use of body-worn cameras and for the handling and use of the obtained video and audio recordings; (5) ensure that prior to use of body-worn cameras, privacy and data retention policies are already in place; and (6) as appropriate, make footage available to promote accountability with necessary privacy safeguards. In addition, OJP is requested to update the Body-Worn Camera Toolkit on an annual basis with any new information, data, and best practices and keep it publicly available on its website.

Justice Reinvestment Initiative (JRI).—Jurisdictions may use the JRI to reduce recidivism; control the size of corrections populations, either incarcerated or on community supervision; reduce crime; and create budgetary solutions to better balance correctional costs within a State's budget. Justice reinvestment is used to implement data-driven strategies to improve public safety by reducing corrections spending and reinvesting those savings in efforts to decrease crime and strengthen neighborhoods. Funding may be used to provide technical assistance to States with existing justice reinvestment programs to further such programs; provide technical assistance to additional States to expand the justice reinvestment initiative to those jurisdictions; or provide funding to States with existing justice reinvestment initiatives to expand or enhance the State's self-identified justice reinvestment initiative goals. Justice reinvestment funds shall not be restricted by Federal agencies for use on specific programs or policy initiatives, and States shall be permitted to establish their own priorities within the justice reinvestment framework.

Sexual Assault Kit Initiative (SAKI).—Within the amounts provided in this agreement, OJP shall provide competitively awarded grants with a comprehensive community-based approach to assist with the reduction of the backlog of untested rape kits at law enforcement agencies. OJP is further directed to provide a report, no later than 90 days after enactment of this Act, on its progress in developing a strategy and model to serve as best practices for discovering and testing kits, training law enforcement, and supporting victims throughout the process as required by Public Law 113–235.

JUVENILE JUSTICE PROGRAMS

The agreement includes $346,000,000 for Juvenile Justice programs. These funds are distributed as follows:

JUVENILE JUSTICE PROGRAMS

(In thousands of dollars)

Program	Amount
Part B—State Formula Grants	$67,000
Emergency Planning—Juvenile Detention Facilities	(500)
Youth Mentoring Grants	100,000
Title V—Delinquency Prevention Incentive Grants	49,000
Prevention of Trafficking Girls	(2,000)
Tribal Youth	(10,000)
Children of Incarcerated Parents Web Portal	(500)
Girls in the Justice System	(3,000)
Opioid Affected Youth Initiative	(10,000)
Children Exposed to Violence	(8,000)
Victims of Child Abuse Programs	30,000
Missing and Exploited Children Programs	94,000
Child Abuse Training for Judicial Personnel	3,500
Juvenile Indigent Defense	2,500
Total, Juvenile Justice	$346,000

For fiscal year 2021, the Department is directed to continue following the directives as required by Public Law 116–93, on the following topics: ''Implementation of the Juvenile Justice Reform Act of 2018'', ''Juvenile Diversion Programs'', and ''ICAC Training''.

Part B: State Formula Grants.—OJP is directed to submit as part of its spending plan for State and Local Law Enforcement Activities a plan for the administration of Part B State Formula Grants, including details pertaining to the formulas utilized in awarding grants under this heading. OJP is further directed to submit a report not later than one year after the date of enactment of this Act describing the types of programs that grantees are using their formula grant funding to support.

DOJ is urged to encourage Title II grant recipients to coordinate with their State education agencies to support continuity of education opportunities for adjudicated youth and to continue its efforts to institute reforms to ensure States' compliance with the Title II core requirements. The Department shall report to the Committees on these efforts not later than 60 days after the date of enactment of this Act.

Arts Programs and Therapies for At-Risk and Justice-Involved Youth.—The agreement supports the use and implementation of arts-based programs and therapies at various points in the juvenile justice system as a way to work collaboratively across sectors to achieve system improvements and positive outcomes for youth. As a result, OJJDP is directed to review opportunities to include arts-based methods for prevention, diversion, and residential grant programs, and to provide a report to the Committees, not later than 90 days after the date of enactment of this Act, on the OJJDP programs providing options for these programs and therapies.

Youth Mentoring Grants.—Within the funds provided for Youth Mentoring Grants, $16,500,000 is for helping youth impacted by substance abuse, including opioids and methamphetamine. OJJDP is expected to take all steps necessary to ensure fairness and objectivity in the award of these and future competitive grants. OJP and OJJDP are expected to maintain expanded eligibility for local mentoring programs, particularly in rural areas, unaffiliated with national mentoring organizations. OJP and OJJDP are also expected to collaborate with mentoring stakeholders to expand youth mentoring services in rural areas inordinately affected by substance abuse and that are considered at-risk.

Victims of Child Abuse Act.—For the various programs authorized under the Victims of Child Abuse Act (Public Law 101–647), OJJDP is directed to ensure that not less than 90 percent of the grants awarded are for the purposes of developing and maintaining children's advocacy centers (CAC), including training and accreditation. OJJDP is further directed to ensure the funds intended to support local CACs are used efficiently with the highest percentage possible of Federal funding expended for local CAC organizational capacity, which is essential for the effective support of implementing the multidisciplinary response to child abuse investigation, prosecution, and intervention services. Within the funds provided, $5,000,000 shall be for Regional Children's Advocacy Centers (RCACs) Programs.

The agreement supports efforts by CACs to use their unique model and expertise to help military installations address cases of child abuse, and again provides $1,000,000 from within the funds provided to continue to support a pilot project to identify, develop, and operationalize best practices. As this effort has been funded since fiscal year 2017, OJJDP is directed to report on the status of this pilot, including the locations of CACs and military installations working together, the number of children served through these partnerships, and lessons learned from this pilot program.

Missing and Exploited Children Programs.—With the exception of funding directives, direction in the House report on Missing and Exploited Children Programs stands. The agreement includes $94,000,000 for these programs and the Department is directed to distribute the increased amount proportionally among Missing and Exploited Children programs, excluding research and technical assistance activities.

Furthermore, OJP is directed to provide a plan for the use of these funds as part of the Department's spending plan for fiscal year 2021, which shall include investments in authorized national programs that serve as a resource center and clearinghouse on missing and exploited children, task force grants,

and administrative costs for the Internet Crimes Against Children (ICAC) program.

Within the funds provided in this agreement for the AMBER Alert program, no less than $4,400,000 is for the operation and activities of the existing AMBER Alert program. Of the funds provided for AMBER Alert activities, $1,000,000 shall be directed to addressing State/Tribal integration consistent with the findings of the report directed by Public Law 115–166.

OJJDP is directed to continue to provide for the development of IT solutions to address both duplicative tips and law enforcement deconfliction, to ensure that only high-quality information is being provided to law enforcement agencies, including ICAC task forces, as required by the explanatory statement accompanying Public Law 116–93.

Within the funds provided in this agreement, $3,000,000 shall be for a competitive grant award program to increase the technological investigative capacity, and associated training of law enforcement, to support the development, refinement, and advancement of widely used investigative tools, methods and technologies that address child pornography, exploitation, and sex trafficking, as previously directed in fiscal years 2018, 2019 and 2020. OJJDP is further directed to expand efforts to provide advanced skills training for ICAC officers.

ICAC Structure.—OJJDP is directed to submit a report, not later than 120 days after the date of enactment of this Act, describing how the ICAC program can be better structured to ensure consistency across the 61 task forces. Issues to be addressed include, adherence to standardized operating procedures; deconfliction processes with other Federal, State, local, and Tribal law enforcement agencies; the best way to prioritize investigations; and the possibility of establishing a formalized governing board over the ICAC program. This report should also discuss how to reduce the problem of high turnover for ICAC investigators, reasons for this turnover, and the skill sets and law enforcement backgrounds that have been most beneficial for investigators who have longevity with their ICAC programs.

Children Exposed to Violence.—The agreement provides $8,000,000 for grants to help children exposed to violence, through supportive services for the children and their families, training and awareness to communities, and technical assistance for child and family-serving organizations to help them better recognize and help families at risk for violence.

PUBLIC SAFETY OFFICER BENEFITS

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $143,800,000 for the Public Safety Officer Benefits program for fiscal year 2021.

COMMUNITY ORIENTED POLICING SERVICES

COMMUNITY ORIENTED POLICING SERVICES PROGRAMS

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $386,000,000 for Community Oriented Policing Services (COPS) programs, as follows:

COMMUNITY ORIENTED POLICING SERVICES

(In thousands of dollars)

Program	Amount
COPS Hiring Grants	$237,000
Tribal Resources Grant Program	(29,500)
Regional Information Sharing Activities	(40,000)
Tribal Access Program	(3,000)
Law Enforcement Mental Health and Wellness Act	(8,000)
POLICE Act	11,000
Anti-Methamphetamine Task Forces	15,000
Anti-Heroin Task Forces	35,000
STOP School Violence Act	53,000
Community Policing Development/Training and Technical Assistance	35,000

COMMUNITY ORIENTED POLICING SERVICES—Continued

(In thousands of dollars)

Program	Amount
Co-responder Crisis Teams	(10,000)
De-escalation Training	(15,000)
Accreditation Support	(5,000)
CPD Microgrants	(3,000)
Diversity and Anti-Bias Training	(2,000)
Total, Community Oriented Policing Services	$386,000

For fiscal year 2021, DOJ is directed to follow prior year report language, included in Senate Report 116–127 and adopted in Public Law 116–93, on ''Anti-Methamphetamine Task Forces'' and ''Anti-Heroin Task Forces.''

COPS Hiring Program.—The COPS Hiring Program grant solicitation for fiscal year 2021 is directed to include two additional priority focus areas: (1) hiring officers who live in the communities that they serve and (2) hiring officers who are willing to relocate to areas characterized by fragmented relationships between police and residents of the community, or where there are high incidents of crime.

Community Policing Development (CPD), Training and Technical Assistance.—The agreement provides $35,000,000 for CPD, for competitive grants provided directly to law enforcement agencies, in the following manner: $10,000,000 is to expand the use of crisis intervention teams in order to embed mental and behavioral health services with law enforcement, including training programs; $15,000,000 is for officer training in de-escalation techniques, of which no less than $4,000,000 is for grants to regional de-escalation training centers that are administered by accredited institutions of higher education and offer de-escalation training certified by a national certification program; $5,000,000 is for assisting agencies with gaining accreditation to ensure compliance with national and international standards covering all aspects of law enforcement policies, procedures, practices, and operations, of which no less than $1,500,000 is to be provided for small and rural law enforcement agencies for this purpose; $3,000,000 is for the CPD Microgrants program, which provides funding for demonstration and pilot projects that offer creative ideas to advance crime fighting, community engagement, problem solving, and organizational changes to support community policing; and $2,000,000 is for grants to support tolerance, diversity, and anti-bias training programs offered by organizations with well-established experience training law enforcement personnel and criminal justice professionals. The COPS Office is directed to report, within 30 days of enactment of this Act, on how the direction for CPD grants is being followed as well as timelines for grant deadlines and distribution.

Law Enforcement Mental Health and Wellness Grants.—Funding for the Law Enforcement Mental Health and Wellness Act (Public Law 115–113) shall be distributed via competitive grant process for State and local law enforcement agencies to provide better training on officer emotional and mental health, to implement suicide prevention programming, and to help officers seek assistance in receiving support services.

School Resource Officers.—The COPS Office is directed to continue to implement requirements and procedures regarding written memoranda of understanding and training requirements, including clear definitions of officers' roles and responsibilities on campus, for any COPS Hiring grant funds used to hire school-based law enforcement officers.

GENERAL PROVISIONS—DEPARTMENT OF JUSTICE

(INCLUDING TRANSFER OF FUNDS)

The agreement includes the following general provisions for the Department of Justice:

Section 201 makes available additional reception and representation funding for the Attorney General from the amounts provided in this title.

Section 202 prohibits the use of funds to pay for an abortion, except in the case of rape or incest, or to preserve the life of the mother.

Section 203 prohibits the use of funds to require any person to perform or facilitate the performance of an abortion.

Section 204 establishes that the Director of the Bureau of Prisons (BOP) is obliged to provide escort services to an inmate receiving an abortion outside of a Federal facility, except where this obligation conflicts with the preceding section.

Section 205 establishes requirements and procedures for transfer proposals.

Section 206 prohibits the use of funds for transporting prisoners classified as maximum or high security, other than to a facility certified by the BOP as appropriately secure.

Section 207 prohibits the use of funds for the purchase or rental by Federal prisons of audiovisual or electronic media or equipment, services and materials used primarily for recreational purposes, except for those items and services needed for inmate training, religious, or educational purposes.

Section 208 requires review by the Deputy Attorney General and the Department Investment Review Board prior to the obligation or expenditure of funds for major information technology projects.

Section 209 requires the Department to follow reprogramming procedures prior to any deviation from the program amounts specified in this title or the reuse of specified deobligated funds provided in previous years.

Section 210 prohibits the use of funds for A–76 competitions for work performed by employees of BOP or Federal Prison Industries, Inc.

Section 211 prohibits U.S. Attorneys from holding additional responsibilities that exempt U.S. Attorneys from statutory residency requirements.

Section 212 permits up to 2 percent of grant and reimbursement program funds made available to the OJP to be used for training and technical assistance and permits up to 2 percent of grant funds made available to that office to be used for criminal justice research, evaluation and statistics by the NIJ and the Bureau of Justice Statistics.

Section 213 gives the Attorney General the authority to waive matching requirements for Second Chance Act adult and juvenile reentry demonstration projects; State, Tribal, and local reentry courts; and drug treatment programs. If a waiver is granted, the Attorney General shall document any factors and material presented by a grantee upon determining that a fiscal hardship exists prior to making an award.

Section 214 waives the requirement that the Attorney General reserve certain funds from amounts provided for offender incarceration.

Section 215 prohibits funds, other than funds for the national instant criminal background check system established under the Brady Handgun Violence Prevention Act, from being used to facilitate the transfer of an operable firearm to a known or suspected agent of a drug cartel where law enforcement personnel do not continuously monitor or control such firearm.

Section 216 places limitations on the obligation of funds from certain Department of Justice accounts and funding sources.

Section 217 allows certain funding to be made available for use in Performance Partnership Pilots.

Section 218 increases the threshold for balances in the United States Trustee System Fund.

Section 219 provides access for Tribes to national information databases.

Section 220 makes the Attorney General responsible for payment of witness fees.

Section 221 makes United States Marshals Service employees eligible for danger pay for certain foreign deployments.

Section 222 provides funding to develop and operate a database on law enforcement use of force and officer misconduct.

TITLE III

SCIENCE

OFFICE OF SCIENCE AND TECHNOLOGY POLICY

The agreement includes $5,544,000 for the Office of Science and Technology Policy (OSTP).

Emerging Contaminants.—Within 30 days of the enactment of this Act, OSTP shall update its October 2018 ''Plan for Addressing Critical Research Gaps Related to Emerging Contaminants in Drinking Water'' as directed in Senate Report 116–127 and adopted by Public Law 116–93. The update shall identify any necessary program, policy, or budgetary resources required, by agency, to support implementation of the Federal research strategy for fiscal years 2021, 2022, and 2023. OSTP is further directed to brief the Committees on the National Emerging Contaminant Research Initiative within 30 days of enactment of this Act.

Research Integrity.—The Committees have yet to receive the assessment that will form the baseline for guidance for government agencies, universities, and the broader research community on indicators of risks to research integrity from foreign influence. OSTP shall report within 30 days of enactment of this Act to the Committees on the extent of these issues and provide OSTP's suggested risk mitigation actions that can be implemented by universities and the U.S. Government.

Research on the Great Lakes Resources.—The vessels of the Great Lakes ecosystem Federal research fleet are nearing the end of their useful service lives. OSTP is reminded of the requirement to submit an assessment of the fleet contained in Senate Report 115–275, adopted by Public Law 116–6.

Federal Unmanned Aircraft Systems (UAS) Procurement.—OSTP is encouraged to identify domestically-produced UAS options as alternatives to commercially-available foreign UAS that may allow for the unintended transmittal of data being collected and to coordinate guidelines that will allow for secure utilization of UAS by all Federal agencies.

NATIONAL SPACE COUNCIL

The agreement includes $1,965,000 for the activities of the National Space Council.

Quarterly Briefings.—The National Space Council is directed to provide the Committees with quarterly briefings, beginning with the annual budget submission, that identify current and emerging threats to maintaining U.S. leadership in space-based activities by the Federal Government, industry, and academia and the associated plans and policies to maintain that leadership.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

The agreement includes $23,271,278,000 for the National Aeronautics and Space Administration (NASA).

Partial Funding Requests.—The agreement notes that going forward, NASA should refrain from requesting only part of the funding it requires to accomplish all of its missions. Additionally, the agreement objects to NASA's efforts in recent fiscal years to redirect funding away from priorities clearly set by the Congress in law and has included more specific bill language to curtail such actions.

Quarterly Launch Schedule.—NASA shall continue providing the Committees with a quarterly launch schedule, by mission, which describes the risks associated with any launch delays, the impacts of launch delays to other missions in the launch queue, a budget estimate of the anticipated carrying costs for missed launch windows, as well as any adjustments to launch windows for delayed missions.

Oversight and Accountability.—NASA acquisition management remains on the U.S. Government Accountability Office's (GAO's) ''high risk'' list. NASA is expected to maintain focus on improving oversight and accountability. NASA is directed to cooperate fully with GAO and shall provide timely program analysis, evaluation data, and other relevant information so GAO can report to Congress shortly after the annual budget submission, and semiannually thereafter, on the status of large-scale NASA programs, projects, and activities. NASA is further directed to brief the Committees within 30 days of the annual budget submission on the reserves, along with confidence level if appropriate, assumed in the proposed funding level for each directorate, theme, program, project, or activity.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(In thousands of dollars)

Program	Amount
Science:	
Earth Science	$2,000,000
Planetary Science	2,700,000
Astrophysics	1,356,200
James Webb Space Telescope	414,700
Heliophysics	751,000
Biological and Physical Sciences	79,100
Total, Science	7,301,000
Aeronautics	828,700
Space Technology	1,100,000
Exploration:	
Exploration Systems Development	4,582,600
Orion Multi-purpose Crew Vehicle	1,406,700
Space Launch System (SLS) Vehicle Deployment	2,585,900
Exploration Ground Systems	590,000
Exploration Research and Development	1,972,800
Gateway	698,900
Human Landing System	850,000
Total, Exploration	6,555,400
Space Operations	3,988,200
Science, Technology, Engineering, and Mathematics (STEM) Engagement:	
NASA Space Grant	51,000
EPSCoR	26,000
Minority University Research Education Project	38,000
STEM Education and Accountability Projects	12,000
Total, Science, Technology, Engineering, and Mathematics (STEM) Engagement	127,000
Safety, Security and Mission Services	2,936,500
Construction and Environmental Compliance and Restoration	390,278
Office of Inspector General	44,200
Total, NASA	$23,271,278

SCIENCE

The agreement includes $7,301,000,000 for Science.

Earth Science.—The agreement includes $2,000,000,000 for Earth Science and adopts all funding levels designated by the House, except as follows.

Earth Science Research and Analysis.—The agreement directs no less than $25,000,000 above the requested level for Earth Science Research and Analysis.

Earth Science Decadal.—In keeping with the recommendations of the Earth Science decadal survey, NASA should plan to competitively select future missions. An increase in competed, Principal Investigator (PI)-led missions can encourage better cost and schedule management, infuse new technologies, and contribute to workforce.

Earth System Science Pathfinder Missions.—The agreement includes $343,900,000 for Earth System Science Pathfinder missions.

Venture Class Missions.—The agreement includes $263,600,000 for Venture Class Missions.

NASA—Indian Space Research Organisation (ISRO) Synthetic Aperture Radar, Geosynchronous Littoral Imaging and Monitoring Radiometer (GLIMR), and Geostationary Carbon Cycle Observatory (GeoCARB).—The agreement fully supports, at no less than the request level, NASA–ISRO Synthetic Aperture Radar, the GLIMR instrument, and GeoCARB. GeoCARB is due to launch in 2023 and will demonstrate the feasibility of using a commercial communications satellite to host a scientific instrument to measure vegetation off-gassing and detect methane. GeoCARB could serve as a model for meeting future Earth Science research needs in a cost-effective manner. The agreement is supportive of collaborative research that works to advance our understanding of the behavior of the Earth by engaging academia, particularly students, in its studies and investigations, as these partnerships ensure that NASA's data expertise remains up-to-date and increases the research capacities at universities.

Planetary Science.—The agreement includes $2,700,000,000 for Planetary Science.

Lunar Discovery.—The agreement includes up to $451,500,000 for the Lunar Discovery and Exploration, including $22,000,000 to continue the Lunar Reconnaissance Orbiter, $70,000,000 for the new Lunar Future initiative, and up to the request level for Commercial Lunar Payload Services (CLPS). NASA is expected to provide funding under the CLPS program only for lunar landers and rovers majority-designed, developed, and built in the United States. Additionally, this level of funding supports a regular cadence of at least one robotic mission to the lunar surface per year. The Lunar Discovery and Exploration program shall adhere to the lunar science priorities established by decadal surveys and the National Research Council's Scientific Context for the Exploration of the Moon by funding activities that meet both lunar science and human exploration needs through varied mission types.

Planetary Defense.—The agreement includes $156,400,000 for planetary defense of which $66,400,000 is for the Double Asteroid Redirect Test (DART) to ensure a June 2021 launch and $90,000,000 is for other Near Earth Object Observations missions and data analysis. NASA is expected to request adequate resources for simultaneous development of DART and the Near Earth Object Surveillance Mission (NEOSM) that pursues a 2025 launch date for NEOSM. NASA is directed to report to the Committees within 180 days of the enactment of this Act on how the agency is fulfilling its mandate to detect 90 percent of objects greater than 140 meters that threaten Earth, along with development progress of DART and NEOSM.

Asteroid Sample and Advanced Curation Facility.—NASA's investments in the Asteroid Sample and Advanced Curation Facility, as well as the Astromaterials Curation Annex, will allow NASA to properly analyze and curate the variety of samples encountered in the planned Mars Sample Return (MSR) mission. NASA should leverage these investments by engaging the academic community to support sample return missions and make

samples available for research to the worldwide science community.

New Frontiers Missions.—The agreement includes $183,200,000 for New Frontiers missions. Within New Frontiers, $100,000,000 is included for Dragonfly missions. The agreement includes the budget request for Radioisotope Power Systems. Further, the agreement expects NASA to continue the selection and launch cadence of New Frontiers and Discovery class missions in spite of any cost pressures from planetary flagship missions or the Mars program.

Mars Exploration Program.—The House language regarding the Mars Exploration Program is accepted and within these amounts the agreement includes $263,500,000 to further development of an MSR mission to be launched in 2026.

Commercial Deep Space Communications Relay.—Consistent with House direction, within 180 days of enactment of this Act, NASA is directed to submit a report to the Committees outlining the Science plan for securing commercial services for future Mars surface assets. NASA may use fiscal year 2021 funds to procure such services to the extent they are available, scientifically necessary, and can be selected competitively.

Europa Clipper Mission.—The agreement includes $403,500,000 for the Jupiter Europa Clipper mission, modifies House language regarding Clipper, and includes a proviso regarding conditions to be met and directives for the Administrator.

Icy Satellites Surface Technology.—The agreement includes no less than $17,500,000 above the requested level for Icy Satellites Surface Technology.

Science Mission Directorate (SMD) Education.—The agreement provides no less than $45,600,000 for education and outreach efforts. The agreement further supports the recommendation that the Astrophysics program continue to administer this SMD-wide education funding. The agreement encourages SMD-funded investigators to be directly involved in outreach and education efforts and support citizen science. NASA should continue to prioritize funding for ongoing education efforts linked directly to its science missions.

Astrophysics.—The agreement includes $1,356,200,000 for Astrophysics.

Cosmic Origins.—The agreement includes $93,300,000 for the Hubble Space Telescope, $10,000,000 for search for life technology development to leverage and scale technologies developed for the James Webb Space Telescope, and $85,200,000 for the Stratospheric Observatory for Infrared Astronomy (SOFIA).

James Webb Space Telescope (JWST).—The agreement includes $414,700,000 for JWST.

Nancy Grace Roman Space Telescope.—The agreement includes $505,200,000 for the Roman Telescope.

Heliophysics.—The agreement provides $751,000,000 for Heliophysics, including $280,800,000 for Heliophysics Research which includes the request level for Research Range; $148,200,000 for Living with a Star, which includes no less than $25,000,000 for space weather science applications and $15,000,000 above the request for Geospace Dynamics Constellation; $148,600,000 for Solar Terrestrial Probes, which includes funding for the Magnetospheric Multiscale mission at no less than the fiscal year 2020 level and $10,000,000 to begin formulation for the Dynamical Neutral Atmosphere-Ionosphere Coupling mission as a Principal Investigator (PI)-led mission; and $173,400,000 for Heliophysics Explorers. This amount supports the Diversify, Realize, Integrate, Venture, Educate initiative as recommended in the most recent heliophysics decadal survey, as well as science centers and early career researchers. NASA is directed to establish a standalone heliophysics technology program in future budget requests. NASA's space weather science applications program should focus on research and technologies that enable other agencies to dramatically improve operational space weather forecasts and assets, including ground-based assets such as the Daniel K. Inouye Solar Telescope.

Unmanned Aerial Vehicles.—The agreement supports NASA's efforts to develop and refine UAV platforms and encourages continued cooperation from Federal science agencies, including NOAA, to expand utilization and supplement data collection in support of hurricane forecast modeling.

Biological and Physical Science.—The agreement includes $79,100,000 for Biological and Physical Science within Science, with a commensurate reduction in Space Operations.

AERONAUTICS

The agreement includes $828,700,000 for Aeronautics. The agreement supports New Aviation Horizons and is encouraged by NASA's efforts toward developing a Low Boom Flight Demonstrator X-plane, referred to as the Low Boom Flight Demonstrator (LBFD). Appropriate funds are also included to enable the next X-plane demonstration planned beyond LBFD.

University Leadership Initiative.—NASA is expected make additional awards to U.S. universities from the Fiscal Year 2020 solicitation to address additional technical barriers in aeronautics and is encouraged to utilize universities and their capabilities in areas where multidisciplinary convergent research is needed in early stage aeronautics research and technology development.

Hypersonics Technology.—The agreement includes up to $60,000,000 for Hypersonics Technology.

Hypersonics Advanced Materials.—The agreement provides an additional $8,000,000 above the request for collaborative work between industry and academia for development of lower cost advanced three-dimensional carbon/carbon material testing and characterization that will benefit the next generation of very high temperature composites for hypersonic vehicles.

High-Rate Composite Aircraft Manufacturing (HiCAM).—The agreement provides no less than the requested amount for HiCAM and encourages NASA to leverage existing academic and industry expertise to help demonstrate efficient design, development, and certification requirements associated with this program and to utilize no less than 75 percent of these funds to support public-private partnership with at least a 50 percent government cost share.

Subsonic Aircraft Research.—NASA is encouraged to continue research and development in key technologies and innovative aircraft structures and components to enable development of ultra-efficient, sustainable transonic aircraft, including investments in X-planes or other appropriate test platforms.

Advanced Composite Project (ACP).—The agreement encourages NASA to maintain the capabilities and intellectual property structures developed through public-private partnerships within the ACP, provides no less than the fiscal year 2020 funding level for these activities, and expects the activities associated with the ACP to be leveraged across the aeronautics portfolio as part of the fiscal year 2022 request.

Advanced Materials Research.—The agreement provides $7,000,000 above the request level for advanced materials research and encourages NASA to partner with academic institutions that have strong capabilities in aviation, aerospace structures, and materials testing and evaluation for these activities.

Unmanned Traffic Management System (UTM).—NASA is encouraged to continue work with Federal agencies, States, counties, cities, and Tribal jurisdictions on research toward the development of a UTM system that will ensure the broadest level of acceptance from local jurisdictions. Within 60 days of enactment of this Act, NASA shall provide a report to the Committees on Appropriations regarding the agency's future unmanned traffic management UTM airspace requirements, UTM airspace needs, and by extension, the agency's advanced air mobility airspace needs.

UTM Modeling.—The agreement supports NASA's ability to leverage test range airspace, modeling, and simulation from other Federal agencies for UTM and advanced air mobility related activities. NASA should ensure that UTM regional modeling and simulation include electric and hybrid vertical takeoff and landing (VTOL) aircraft and that VTOL aircraft, infrastructure, and airspace meet the needs of rural, suburban, and urban communities.

Cleaner, Quieter Airplanes.—Not later than 180 days after the enactment of this Act, NASA shall submit to the Committees a report on NASA's progress on the development of technologies for quieter, cleaner airplanes, including the ability to transition these technologies to industry.

SPACE TECHNOLOGY

The agreement includes $1,100,000,000 for Space Technology and reaffirms support for the independence of the mission directorate and recognizes that its current status enables it to support the development of a wide array of various technologies.

Regional Economic Development Program.—The agreement includes up to $8,000,000 for the Regional Economic Development Program. NASA is encouraged to expand the program to all 50 states.

On Orbit Servicing and Manufacturing.—The agreement includes up to the requested level for On Orbit Servicing and Manufacturing Demonstration–2.

Restore-L/SPace Infrastructure DExterous Robot (SPIDER).—The agreement provides $227,000,000 for Restore-L/SPIDER.

Nuclear Thermal Propulsion.—The agreement provides not less than $110,000,000 for the development of nuclear thermal propulsion, of which not less than $80,000,000 shall be for the design of test articles that will enable a flight demonstration. Within 180 days of the enactment of this Act, NASA, in conjunction with other relevant Federal departments and agencies, shall submit a multiyear plan that enables technology development leading to an in-space propulsion-system demonstration and describes future missions and propulsion and power systems enabled by this capability.

Solar Electric Propulsion.—The agreement includes the requested level for Solar Electric Propulsion activities.

Additive Manufacturing.—The agreement includes $35,000,000 for additive manufacturing.

Flight Opportunities Program.—The agreement includes no less than $27,000,000 for the Flight Opportunities Program. The funding provided for this program may be used to support undergraduate and graduate work in developing flight opportunities payloads. NASA should ensure that funds are available for flight opportunities of science, technology demonstration, and educational payloads developed across all NASA Mission Directorates, as well as external flight opportunities, as authorized under section 907 of the NASA Authorization Act of 2010 (Public Law 111–267), including competitively-selected opportunities in support of payload development and flight of K–12 and collegiate educational payloads. NASA is directed

to consider how the Flight Opportunities Program may be leveraged to provide expanded opportunities to Science, Technology, Engineering, and Mathematics (STEM) students and early career researchers. The recommendation includes $7,000,000 to support payload development and flight of K–12 and collegiate educational payloads.

Innovative Nanomaterials.—The agreement includes $5,000,000 to advance large scale production and use of innovative nanomaterials, including carbon nanotubes.

On Surface Manufacturing Capabilities.—The agreement provides the budget request for On-Surface Manufacturing and directs NASA, through partnerships with universities, to leverage efforts that complement ongoing work on the development of advanced materials with a focus on point-of-need and in-place generated materials, energy capture and power storage, recycling, commercialization, and workforce development.

Small Business Innovation Research.—NASA shall continue to fulfill statutory obligations for the amount of Small Business Innovation Research (SBIR) and place an increased focus on awarding SBIR awards to firms with fewer than 50 employees.

EXPLORATION

The agreement includes $6,555,400,000 for Exploration and recognizes that the Nation deserves a safe and robust human spaceflight program to explore beyond low-Earth orbit (LEO) and ensure U.S. leadership in space. To support these efforts, the agreement provides funding for NASA to make investments in critical infrastructure that will enable the human exploration of space beyond LEO through the Artemis program and provide flexibility for a variety of mission destinations including the Moon and Mars.

Orion Multi-Purpose Crew Vehicle.—The agreement includes $1,406,700,000 for the Orion Multi-Purpose Crew Vehicle. NASA is further directed to inform Congress of the status of activities related to Orion, the European Service Module, and ongoing activities related to integration of Orion with Space Launch System and associated ground infrastructure.

Space Launch System (SLS).—The agreement provides $2,585,900,000 for SLS, of which $400,000,000 is for concurrent SLS Block 1B Development, including Exploration Upper Stage development and associated stage adapter work. The agreement is supportive of fully developing the capabilities of SLS, and directs NASA to continue the simultaneous development of activities as authorized under sections 302(c)(1)(a) and (b) of Public Law 111–267. The agreement reiterates House language directing NASA to engage an independent reviewer to conduct a review of SLS completion costs. Additionally, not later than 180 days after the enactment of this Act, the agreement directs NASA to submit to the Committees a comprehensive manifest of Space Launch System cargo flights through 2030 which incorporates planned Science missions, such as the Europa Lander mission and outer planet missions to Uranus and Neptune.

Exploration Ground Systems.—In lieu of direction in the House report, the agreement includes $590,000,000 for Exploration Ground Systems.

VAB Construction.—The agreement provides for a transfer of $25,000,000 from Exploration Systems Development to Exploration Construction of Facilities, to fund additional Exploration Ground Systems construction requirements incrementally, consistent with the incremental funding authority provided for Exploration Systems in the FY 2018 Consolidated Appropriations Act (P.L. 115–141), as Exploration Systems programs move from development to production and operations. This transfer will increase funding for the KSC Modifications to Launch Infrastructure for SLS project, to initiate construction of new platforms for Vehicle Assembly Building (VAB) High Bay 3 to enable processing the SLS Block 1B configuration.

Second Mobile Launch Platform (MLP–2).—In lieu of the House report language, the agreement within Exploration Ground Systems includes $74,000,000 for MLP–2.

Exploration Research and Development.—The agreement includes $1,972,800,000 for Exploration Research and Development, and directs that of that amount, $698,800,000 is for Gateway, and $850,000,000 is for the Human Landing System.

Priority of Use Missions.—NASA is directed to continue reporting to the Committees any activities that cause NASA to invoke its ''Priority of Use'' clause, including identifying the conflicting activities between NASA and non-Federal activities, and how the conflict was resolved, 15 days prior to any activity taking place. NASA shall ensure that any non-Federal activities do not interfere with the progress of, and schedule for, the Artemis missions.

Lunar Lander Program Office.—Within the amount provided for the Human Landing System, the agreement includes full funding for the Lunar Lander Program Office.

SPACE OPERATIONS

The agreement provides $3,988,200,000 for Space Operations, including $17,000,000 for commercial low Earth orbit (LEO) development.

Commercial Crew and Cargo Program.—The agreement provides the requested level of funding for Commercial Crew and Cargo, including funds to enable cargo flights for all three current providers within the Commercial Crew and Cargo program.

Biological and Physical Science Research and Applications.—At the request of NASA, the agreement moves the Biological and Physical Science research and applications to the Science Mission Directorate. The agreement supports the full request for ISS Research. However, of the requested amount, $79,100,000 for Biological and Physical Science is provided within the NASA Science account. NASA is directed to continue to support grant opportunities in biological and physical sciences research within a microgravity environment, including continued study of and quantifying potential exposure to cosmic rays through initiatives such as the Alpha Magnetic Spectrometer.

Commercial LEO Development.—The agreement provides $17,000,000 for LEO commercialization to grow promising research across all scientific disciplines and industries. Within 180 days of enactment of this Act, NASA shall provide the Committees the selection criteria used by NASA and other U.S. based entities for selecting projects, a list of the projects selected, the total costs incurred by NASA for delivery and execution of each project, and the amount NASA will be reimbursed for transportation, personnel, and facility use for each project. NASA is also directed to provide the Committees, within 180 days of enactment of this Act, an assessment of the benefits and challenges of using repurposed upper stages as free-flying platforms. NASA shall not use funds provided in this or any other Act to subsidize the cost of any project that is primarily intended for marketing, advertising, or entertainment purposes.

Space Communications.—The proposal to consolidate the Communications Services Program (CSP) under Space Communications and Navigation (SCaN) has created uncertainty about how CSP will be managed. The agreement directs NASA to develop a plan, budget, and timeline for sustainment of the existing network and infrastructure upgrades, as well as delineating responsibilities for the program and explaining how the program goals differ from SCaN. NASA is directed to brief the Committees on the plan within 180 days of enactment of this Act.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS ENGAGEMENT

The agreement includes $127,000,000 for Science, Technology, Engineering, and Mathematics Engagement.

Space Grant Program.—The agreement includes $51,000,000 for the Space Grant Program; directs that these amounts be allocated to State consortia for competitively awarded grants in support of local, regional, and national STEM needs; and directs that all 52 participating jurisdictions be supported at no less than $760,000 each.

Established Program to Stimulate Competitive Research (EPSCoR).—The agreement includes $26,000,000 for EPSCoR.

Minority University Research and Education Project (MUREP).—The agreement includes $38,000,000 for MUREP. MUREP is encouraged to support programs that connect science, indigenous culture, and community, including the integration of indigenous practices, at minority-serving higher education institutions, including Alaska Native and Native-Hawaiian Serving Institutions and Tribal Colleges and Universities, in a State or States where the need for such indigenous-academic collaboration is present.

STEM Education and Accountability Projects (SEAP).—The agreement includes $12,000,000 for the SEAP.

Museums and Planetariums.—No less than $5,000,000 is provided for the Competitive Program for Science Museums, Planetariums, and NASA Visitor Centers within SEAP, and NASA is encouraged to follow the program's authorized purpose.

SAFETY, SECURITY AND MISSION SERVICES

The agreement includes $2,936,500,000 for Safety, Security and Mission Services.

IV&V Program.—The agreement directs that within the amounts provided $39,100,000 is for NASA's IV&V Program and, if necessary, NASA is directed to fund additional IV&V activities from within the mission directorates that make use of IV&V services.

Accounting System.—The agreement directs that NASA not implement, alter, or configure any changes to its financial system to accommodate amounts below NASA appropriation account levels. NASA should request such changes, and any associated costs, as part of a future budget request.

Buy American Provisions.—NASA is directed to follow prior year report language included in Senate Report 116–127 and adopted by Public Law 116–93 regarding Buy American provisions related to marine vessels and marine vessel components.

Diversity and Inclusion.—NASA is encouraged to take steps to promote racial and cultural acceptance and diversity within its workforce. Within 180 days of enactment of this Act, NASA is directed to submit a report analyzing the current racial and cultural makeup of the agency; planned efforts to recruit, retain, and advance applicants and employees critical to promoting greater racial and cultural diversity, and the outcomes of these efforts; and any additional steps and recommendations planned to promote greater racial and cultural acceptance and diversity throughout the NASA workforce, including the development and analysis of metrics to evaluate success.

CONSTRUCTION AND ENVIRONMENTAL COMPLIANCE AND RESTORATION

The agreement includes $390,278,000 for Construction and Environmental Compliance

and Restoration (CECR). The agreement also includes the request for Construction of Facilities for Science, Exploration, and Space Operations.

OFFICE OF INSPECTOR GENERAL

The agreement includes $44,200,000 for the Office of Inspector General.

ADMINISTRATIVE PROVISIONS

(INCLUDING TRANSFERS OF FUNDS)

NASA is directed to provide any notification under section 20144(h)(4) of title 52, United States Code, to the Committees.

The agreement also permits a transfer of funds from Exploration to Construction.

Not more than 20 percent or $50,000,000, whichever is less, of the amounts made available in the current-year CECR appropriation may be applied to CECR projects funded under previous years' appropriation acts. Use of current-year funds under this provision shall be treated as a reprogramming of funds under section 505 of this Act and shall not be available for obligation except in compliance with the procedures set forth in that section.

NATIONAL SCIENCE FOUNDATION

The agreement includes $8,486,759,000 for the National Science Foundation (NSF).

Arecibo Observatory (AO).—The significant loss caused by the collapse of the 305–meter radio telescope at the Arecibo Observatory in Arecibo, Puerto Rico, is devastating. During its 57 years in operation, the telescope was an integral part of U.S. capabilities to advance scientific research and served as an iconic, beloved site for the residents of Puerto Rico and the scientific community. With this in mind and keeping safety as the number one priority, NSF is directed to report to the Committees within 60 days of enactment of this Act on the causes and extent of the damage, the plan to remove debris in a safe and environmentally sound way, the preservation of the associated AO facilities and surrounding areas, and the process for determining whether to establish comparable technology at the site, along with any associated cost estimates. NSF shall keep the Committees informed of any other activities related to this facility.

Innovation Corps.—The agreement includes $40,000,000 for the Innovation Corps program. NSF is encouraged to facilitate greater participation in the program from academic institutions in States that have not previously received awards.

Student Diversity and Success Research.—The agreement adopts House language regarding Historically Black Colleges and Universities (HBCU) Student Diversity and Success Research and expands it to encourage NSF to support the listed activities at Hispanic Serving Institutions, Alaska Native Serving Institutions, Native-Hawaiian Serving Institutions, and Tribal Colleges and Universities and to direct NSF to include these types of institutions in the required report, in addition to HBCUs.

RESEARCH AND RELATED ACTIVITIES

The agreement includes $6,909,769,000 for Research and Related Activities (R&RA) and no less than $200,000,000 for EPSCoR.

Within the amount provided for R&RA, the agreement provides for the Facility Operation Transition activity at the budget request level, operation of the National Ecological Observatory Network at no less than the fiscal year 2020 level, and the Center for High Energy X-Ray Science at no less than the budget request level.

Maintaining Core Research.—NSF shall maintain its core research at levels not less than those provided in fiscal year 2020, including supporting existing observational networks and research infrastructure, including astronomy facilities, the academic research fleet, federally funded research and development centers and the national high-performance computing centers.

Daniel K. Inouye Solar Telescope (DKI–ST).—The agreement supports the budget request for the Daniel K. Inouye Solar Telescope (DKI–ST). NSF is encouraged to support the existing ancillary academic partnerships between NSF and DKI–ST.

Green Bank Observatory (GBO).—The agreement supports NSF's effort to develop multi-agency plans at GBO and provides no less than the request level to support operations and maintenance at GBO through multi-agency plans, or directly through the Foundation.

Navigating the New Arctic.—The Committee urges NSF to formulate Arctic research programs leveraging expertise from regions accustomed to changing marine ecosystems. Specifically, NSF is encouraged to consider the impact of the opening of the two trans-Arctic sea routes and the proximity to deep U.S. ports.

Online Influence.—NSF is encouraged to consider additional research efforts that will help counter influence from foreign adversaries on social media platforms designed to influence U.S. perspectives and undermine confidence in U.S. elections and institutions. To the extent practicable, NSF should engage other Federal agencies to help identify areas of research that will provide insight that can mitigate adversarial online influence.

U.S. Neutron Monitor Network.—NSF is directed to immediately submit the U.S. Neutron Monitor Network plan required under Senate Report 116–127, as adopted in Public Law 116–93.

Study of Temperate Woodland and Alpine Ecosystems and Ecoregions.—NSF is expected to continue supporting research on unique mountain temperate woodland ecosystems and ecoregions, in order to better understand and sustain the health and vitality of mountain ecosystems.

Spectrum Innovation Initiative.—The agreement supports investments in the Spectrum Innovation Initiative.

Water Contamination Research.—From fiscal year 2014 to present, NSF has obligated more than $30,000,000 to research related to the water crisis in Flint, Michigan, or closely related subjects. NSF is encouraged to continue multi-institutional, multidisciplinary water-related research.

Rules of Life.—The agreement supports NSF's focus on Rules of Life funding of research, including in plant genomics, and directs NSF to continue to advance the ongoing plant genomics research program, further its work in crop-based genomics research, and to maintain a focus on research related to crops of economic importance.

Verification of the Origins of Rotation in Tornadoes Experiment-Southeast (VORTEX–SE).—NSF is encouraged to continue its cooperation with NOAA for the VORTEX-SE field campaign in the southeastern United States. NSF should look beyond its traditional research disciplines to utilize programs, co-funding opportunities, and to utilize collaborative research to better understand the fundamental natural processes of tornadoes and to improve models of these seasonal extreme events.

High-Performance Computing Planning.—NSF should invest in additional high-performance computational systems and renew and adequately resource its commitment to developing and supporting systems that facilitate tremendous leaps in computational simulation.

Intense, Ultrafast Lasers.—In 2018, the National Academy of Sciences found that the United States has lost its previous dominance in high-intensity lasers, which are critical to advance scientific discovery, future science facilities, and important applications in national security, industry, and medicine. NSF is encouraged to implement report recommendations and to make the necessary early stage investments in intense, ultrafast laser science and technology.

Marine Research.—NSF is to maintain current funding levels for marine research facilities. A plan shall be developed by NSF with the scientific community to continue researcher access to marine research facilities and to accept new research proposals.

Re-Engineering Plastic Textiles.—NSF is encouraged to take a comprehensive and coordinated approach to support research in plastics, microplastics, and microfibers to address the significant challenges on the aquatic environment, to human health, and in the transport and migration of materials, waste management, and development of alternative materials.

Coastlines and People.—NSF is encouraged to continue to advance research in coastal environmental viability and natural hazards in coastal regions, including the efforts of the Coastlines and People program.

Quantum Information Science.—The agreement includes funds up to the request levels for quantum information science research and from within this amount provides no less than $160,000,000 for activities authorized under section 301 of the National Quantum Initiative Act and $50,000,000 for National Quantum Information Science Research Centers, as authorized in section 302 of that Act.

Artificial Intelligence (AI).—This agreement fully funds AI related grants and interdisciplinary research initiatives across NSF at up to the fiscal year 2021 request level. In addition, the agreement reiterates House language to encourage NSF to continue its efforts in workforce development for AI and other emerging technologies, with focused outreach to community colleges, Historically Black Colleges and Universities, Hispanic Serving Institutions, Tribal Colleges and Universities and other Minority Serving Institutions.

Sustainable Chemistry Research.—NSF is encouraged to develop and implement a sustainable chemistry research and development program, as authorized by the America Competes Reauthorization Act of 2010 (Public Law 111– 358). Additionally, NSF shall report to the Committees within 90 days after the enactment of this Act on its implementation plan for this program.

MAJOR RESEARCH EQUIPMENT AND FACILITIES CONSTRUCTION

The agreement includes $241,000,000 for Major Research Equipment and Facilities Construction (MREFC), including funds at the requested levels for the continued construction of the Vera C. Rubin Observatory (previously known as the Large Synoptic Survey Telescope), the Antarctic Infrastructure Modernization for Science, and the High Luminosity-Large Hadron Collider Upgrade. The Government Accountability Office is directed to continue its annual reviews and semiannual updates of programs funded within MREFC and shall report to Congress on the status of large-scale NSF projects and activities based on its review of this information.

Mid-scale Research Infrastructure.—The agreement includes $76,250,000 for Mid-scale research infrastructure. NSF is encouraged to award at least one mid-scale research infrastructure project led by an institution in an EPSCoR State.

Infrastructure Planning.—Under 42 U.S.C 18621, the NSF Director is required to prepare, and include as part of the Foundation's annual budget request to Congress, a plan for the proposed construction of, and repair and

upgrades to, national research facilities. Under 42 U.S.C. 1862n–4, the Director, with the approval of the National Science Board, also develops a prioritized list of MREFC projects approved by the Board. The Board found in its 2030 Vision report that: ''Providing research infrastructure across the range of scientific fields and at various scales will require field-based, agency-based, and interagency planning and execution to ensure that infrastructure investments are complementary and that America's S&E infrastructure is globally competitive.'' In lieu of House language regarding infrastructure planning, NSF and the Board are encouraged to engage in robust planning for and investments in the next generation of world class facilities, including any projects recommended by the upcoming Astrophysics decadal survey.

Buy American Provisions.—NSF is directed to follow prior year report language included in Senate Report 116–127 and adopted by Public Law 116–93 regarding Buy American provisions related to marine vessels and marine vessel components.

EDUCATION AND HUMAN RESOURCES

The agreement includes $968,000,000 for Education and Human Resources, including no less than these amounts for the following programs: $49,500,000 for Louis Stokes Alliance for Minority Participation; $75,000,000 for the Advanced Technological Education program; $36,500,000 for the Historically Black Colleges and Universities Undergraduate Program; $16,500,000 for the Tribal Colleges and Universities Program; $62,500,000 for Advancing Informal STEM Learning; $8,000,000 for the Alliance for Graduate Education and the Professoriate; $24,000,000 for Centers for Research Excellence in Science and Technology; and $18,000,000 for Advancement of Women in Academic Science and Engineering Careers.

The agreement does not adopt the proposed funding reductions for the Improving Undergraduate STEM Education, Robert Noyce Scholarship Program, or the Graduate Research Fellowship, and instead includes the fiscal year 2020 funding levels for these programs.

Funding in this account is also used to implement the Building Blocks of STEM Act (Public Law. 116–102).

Hispanic-Serving Institutions (HSIs).—The agreement includes $46,500,000 for the HSI program to build capacity at institutions of higher education that typically do not receive high levels of NSF funding.

CyberCorps: Scholarships for Service.—The agreement includes no less than $60,000,000 for the CyberCorps: Scholarships for Service program, of which not less than $7,500,000 should be used to continue work with community colleges that have been designated as a Center of Academic Excellence in Information Assurance 2-Year Education (CAE2Y) by the National Security Agency and the Department of Homeland Security, including through providing scholarships to students at CAE2Y institutions who will not transfer into a 4-year program, such as career-changers who possess 4-year degrees and veterans of the Armed Forces.

Cybersecurity Research.—In addition to the partnership efforts called for in the House report under this heading, NSF is urged to collaborate with National Initiative for Cybersecurity Education at NIST on efforts to develop cybersecurity skills in the workforce, especially in support of nontraditional or technical degree qualifications.

Bioprocessing.—NSF is encouraged to include training in bioprocessing within appropriate research areas as part of their educational efforts.

AGENCY OPERATIONS AND AWARD MANAGEMENT

The agreement includes $345,640,000 for Agency Operations and Award Management.

Diversity and Inclusion.—NSF is encouraged to take steps to promote racial and cultural acceptance and diversity within its workforce. Within 180 days of enactment of this Act, NSF is directed to submit a report analyzing the current racial and cultural makeup of the Foundation; planned efforts to recruit, retain, and advance applicants and employees critical to promoting greater racial and cultural diversity, and the outcomes of these efforts; and any additional steps and recommendations planned to promote greater racial and cultural acceptance and diversity throughout the NSF workforce, including the development and analysis of metrics to evaluate success.

OFFICE OF THE NATIONAL SCIENCE BOARD

The agreement includes $4,500,000 for the National Science Board.

OFFICE OF INSPECTOR GENERAL

The agreement includes $17,850,000 for the Office of Inspector General.

ADMINISTRATIVE PROVISIONS

(INCLUDING TRANSFER OF FUNDS)

The agreement includes two administrative provisions. One allows limited transfers of funds among accounts. The other requires notification for disposal of certain assets.

TITLE IV

RELATED AGENCIES

COMMISSION ON CIVIL RIGHTS

SALARIES AND EXPENSES

The agreement includes $12,500,000 for the Commission on Civil Rights, of which $500,000 is included for first-year costs to establish the Commission on the Social Status of Black Men and Boys. Within 60 days of enactment of this Act, the Commission shall provide the Committees with a detailed spending plan for the funding provided for the Commission on the Social Status of Black Men and Boys. In addition, the Commission shall include the Commission on the Social Status of Black Men and Boys as a separate line item in future fiscal year budget requests.

EQUAL EMPLOYMENT OPPORTUNITY COMMISSION

SALARIES AND EXPENSES

The agreement includes $404,490,000 for the Equal Employment Opportunity Commission (EEOC).

Summary of Equal Pay Data and Report.—In lieu of House language regarding analyzing summary pay information collected through the revised EEO–1 form for 2017 and 2018, it is acknowledged that the EEOC is contracting with the National Academies of Sciences, Engineering, and Medicine's Committee on National Statistics to conduct an independent assessment of the quality and utility of the EEO–1 Component 2 data for fiscal years 2017 and 2018. The Committees on Appropriations expect a thorough, transparent review of the data, and look forward to the results of the study that will be completed in December of 2021.

Charge Reporting.—EEOC is directed to report to the Committees and post on its public website within 30 days of enactment of this Act on the number of A, B, and C charges for each of the last five fiscal years.

Public Comment on EEOC Guidance.—If requested by at least two Commissioners, the EEOC shall make any new guidance available for public comment in the Federal Register for not less than 30 days prior to taking any potential action on proposed guidance.

Nondiscrimination report.—The EEOC, in consultation with OMB and OPM, is directed to submit a report within 90 days of enactment of this Act on its efforts to prevent discrimination in the awarding of Federal grants, cooperative agreements, and other assistance.

INTERNATIONAL TRADE COMMISSION

SALARIES AND EXPENSES

The agreement includes $103,000,000 for the International Trade Commission.

In lieu of direction in the House report, the agreement acknowledges concerns that some regions of the United States that specialize in seasonal produce may be vulnerable to competition and unfair trade practices from foreign markets.

LEGAL SERVICES CORPORATION

PAYMENT TO THE LEGAL SERVICES CORPORATION

The agreement includes $465,000,000 for the Legal Services Corporation.

MARINE MAMMAL COMMISSION

SALARIES AND EXPENSES

The agreement includes $3,769,000 for the Marine Mammal Commission.

OFFICE OF THE UNITED STATES TRADE REPRESENTATIVE

The agreement includes a total of $70,000,000 for the Office of the U.S. Trade Representative (USTR).

The agreement reinforces the frustration expressed in the House report concerning USTR's lack of mandatory notification to the Committees under section 505 of this Act and prior year Appropriations Acts concerning the creation of a new office within its organization. Section 505 prohibits both the creation of a new program, project, or activity and the reorganization or renaming of offices without advance notification to the Committees. USTR's justification that the new office was resource neutral and simply a realignment of existing resources is unacceptable as its actions run in direct contravention of section 505 and section 903 of Title IX of the United States-Mexico-Canada Implementation Act (Public Law 116–113). The agreement further stresses that future violations will be penalized appropriately.

SALARIES AND EXPENSES

The agreement includes $55,000,000 for the salaries and expenses of USTR. For fiscal year 2021, USTR is directed to follow prior year report language, included in Senate Report 116–127 and adopted in Public Law 116–93, on the following topics: ''Trade and Agricultural Exports,'' ''Section 301 Exclusion Process,'' and ''Travel.'' In addition, USTR is directed to follow prior year report language regarding ''De Minimis Thresholds'' included in the explanatory statement accompanying Public Law 116–93.

China Trade Deal Costs.—USTR is directed to provide the Committees, on a biannual basis, a report documenting the agency's obligations related to the Bilateral Evaluation and Dispute Resolution Office created as part of the Economic and Trade Agreement Between the United States of America and the People's Republic of China, also known as the U.S.-China Phase One deal.

TRADE ENFORCEMENT TRUST FUND

(INCLUDING TRANSFER OF FUNDS)

The agreement includes $15,000,000, which is to be derived from the Trade Enforcement Trust Fund, for trade enforcement activities and transfers authorized by the Trade Facilitation and Trade Enforcement Act of 2015.

STATE JUSTICE INSTITUTE

SALARIES AND EXPENSES

The agreement includes $7,000,000 for the State Justice Institute (SJI).

Fines, Fees, and Bail Practices.—One of SJI's priority areas of investment for fiscal year 2020 was fines, fees, and bail practices. SJI is encouraged to continue investing in this area so that State courts can continue taking a leadership role in reviewing these practices.

Emergency Preparedness and Cybersecurity.—SJI is encouraged to continue its ongoing emergency preparedness and cybersecurity funding priority, which supports projects that address innovative approaches to ensuring courts are prepared to respond to disasters, pandemics, attacks on electronic systems, and other threats.

State Court Behavioral Health Collaborative.—SJI is encouraged to document and promote innovative court-based programs that address substance abuse and mental illness and develop a sustainable community of practice to share the programs and practices on a national level.

TITLE V

GENERAL PROVISIONS

(INCLUDING RESCISSIONS)

(INCLUDING TRANSFER OF FUNDS)

The agreement includes the following general provisions:

Section 501 prohibits the use of funds for publicity or propaganda purposes unless expressly authorized by law.

Section 502 prohibits any appropriation contained in this Act from remaining available for obligation beyond the current fiscal year unless expressly provided.

Section 503 provides that the expenditure of any appropriation contained in this Act for any consulting service through procurement contracts shall be limited to those contracts where such expenditures are a matter of public record and available for public inspection, except where otherwise provided under existing law or existing Executive order issued pursuant to existing law.

Section 504 provides that if any provision of this Act or the application of such provision to any person or circumstance shall be held invalid, the remainder of this Act and the application of other provisions shall not be affected.

Section 505 prohibits a reprogramming of funds that: (1) creates or initiates a new program, project, or activity; (2) eliminates a program, project, or activity; (3) increases funds or personnel by any means for any project or activity for which funds have been denied or restricted; (4) relocates an office or employee; (5) reorganizes or renames offices, programs, or activities; (6) contracts out or privatizes any function or activity presently performed by Federal employees; (7) augments funds for existing programs, projects, or activities in excess of $500,000 or 10 percent, whichever is less, or reduces by 10 percent funding for any existing program, project, or activity, or numbers of personnel by 10 percent; or (8) results from any general savings, including savings from a reduction in personnel, which would result in a change in existing programs, projects, or activities as approved by Congress; unless the House and Senate Committees on Appropriations are notified 15 days in advance of such reprogramming of funds.

Section 506 provides that if it is determined that any person intentionally affixes a ''Made in America'' label to any product that was not made in America that person shall not be eligible to receive any contract or subcontract with funds made available in this Act. The section further provides that to the extent practicable, with respect to purchases of promotional items, funds made available under this Act shall be used to purchase items manufactured, produced, or assembled in the United States or its territories or possessions.

Section 507 requires quarterly reporting to Congress on the status of balances of appropriations.

Section 508 provides that any costs incurred by a department or agency funded under this Act resulting from, or to prevent, personnel actions taken in response to funding reductions in this Act, or, for the Department of Commerce, from actions taken for the care and protection of loan collateral or grant property, shall be absorbed within the budgetary resources available to the department or agency, and provides transfer authority between appropriation accounts to carry out this provision, subject to reprogramming procedures.

Section 509 prohibits funds made available in this Act from being used to promote the sale or export of tobacco or tobacco products or to seek the reduction or removal of foreign restrictions on the marketing of tobacco products, except for restrictions which are not applied equally to all tobacco or tobacco products of the same type. This provision is not intended to impact routine international trade services to all U.S. citizens, including the processing of applications to establish foreign trade zones.

Section 510 stipulates the obligations of certain receipts deposited into the Crime Victims Fund.

Section 511 prohibits the use of Department of Justice funds for programs that discriminate against or denigrate the religious or moral beliefs of students participating in such programs.

Section 512 prohibits the transfer of funds in this agreement to any department, agency, or instrumentality of the United States Government, except for transfers made by, or pursuant to authorities provided in, this agreement or any other appropriations Act.

Section 513 requires certain timetables of audits performed by Inspectors General of the Departments of Commerce and Justice, the National Aeronautics and Space Administration, the National Science Foundation and the Legal Services Corporation and sets limits and restrictions on the awarding and use of grants or contracts funded by amounts appropriated by this Act.

Section 514 prohibits funds for acquisition of certain information systems unless the acquiring department or agency has reviewed and assessed certain risks. Any acquisition of such an information system is contingent upon the development of a risk mitigation strategy and a determination that the acquisition is in the national interest. Each department or agency covered under section 514 shall submit a quarterly report to the Committees on Appropriations describing reviews and assessments of risk made pursuant to this section and any associated findings or determinations.

Section 515 prohibits the use of funds in this Act to support or justify the use of torture by any official or contract employee of the United States Government.

Section 516 prohibits the use of funds to include certain language in trade agreements.

Section 517 prohibits the use of funds in this Act to authorize or issue a National Security Letter (NSL) in contravention of certain laws authorizing the Federal Bureau of Investigation to issue NSLs.

Section 518 requires congressional notification for any project within the Departments of Commerce or Justice, the National Science Foundation, or the National Aeronautics and Space Administration totaling more than $75,000,000 that has cost increases of 10 percent or more.

Section 519 deems funds for intelligence or intelligence-related activities as authorized by the Congress until the enactment of the Intelligence Authorization Act for fiscal year 2021.

Section 520 prohibits contracts or grant awards in excess of $5,000,000 unless the prospective contractor or grantee certifies that the organization has filed all Federal tax returns, has not been convicted of a criminal offense under the Internal Revenue Code of 1986, and has no unpaid Federal tax assessment.

(RESCISSIONS)

Section 521 provides for rescissions of unobligated balances. Subsection (c) requires the Departments of Commerce and Justice to submit a report on the amount of each rescission. These reports shall include the distribution of such rescissions among decision units, or, in the case of rescissions from grant accounts, the distribution of such rescissions among specific grant programs, and whether such rescissions were taken from recoveries and deobligations, or from funds that were never obligated. Rescissions shall be applied to discretionary budget authority balances that were not appropriated with emergency or disaster relief designations.

Section 522 prohibits the use of funds in this Act for the purchase of first class or premium air travel in contravention of the Code of Federal Regulations.

Section 523 prohibits the use of funds to pay for the attendance of more than 50 department or agency employees, who are stationed in the United States, at any single conference outside the United States, unless the conference is: (1) a law enforcement training or operational event where the majority of Federal attendees are law enforcement personnel stationed outside the United States, or (2) a scientific conference for which the department or agency head has notified the House and Senate Committees on Appropriations that such attendance is in the national interest, along with the basis for such determination.

Section 524 requires any department, agency, or instrumentality of the United States Government receiving funds appropriated under this Act to track and report on undisbursed balances in expired grant accounts.

Section 525 requires, when practicable, the use of funds in this Act to purchase light bulbs that have the ''Energy Star'' or ''Federal Energy Management Program'' designation.

Section 526 prohibits the use of funds by NASA, OSTP, or the National Space Council (NSC) to engage in bilateral activities with China or a Chinese-owned company or effectuate the hosting of official Chinese visitors at certain facilities unless the activities are authorized by subsequent legislation or NASA, OSTP, or NSC have made a certification pursuant to subsections (c) and (d) of this section.

Section 527 prohibits the use of funds to establish or maintain a computer network that does not block pornography, except for law enforcement and victim assistance purposes.

Section 528 requires the departments and agencies funded in this Act to submit spending plans.

Section 529 prohibits funds to pay for award or incentive fees for contractors with below satisfactory performance or performance that fails to meet the basic requirements of the contract.

Section 530 prohibits the use of funds by the Department of Justice or the Drug Enforcement Administration in contravention of a certain section of the Agricultural Act of 2014.

Section 531 prohibits the Department of Justice from preventing certain States from implementing State laws regarding the use of medical marijuana.

Section 532 requires quarterly reports from the Department of Commerce, the National Aeronautics and Space Administration, and the National Science Foundation of travel to China.

Section 533 limits formulation and development costs for the James Webb Space Telescope.

Section 534 requires 10 percent of the funds for certain programs be allocated for assistance in persistent poverty counties.

Section 535 includes language regarding detainees held at Guantanamo Bay.

Section 536 includes language regarding facilities for housing detainees held at Guantanamo Bay.

Section 537 prohibits the use of funds in this Act to require certain export licenses.

Section 538 prohibits the use of funds in this Act to deny certain import applications regarding ''curios or relics'' firearms, parts, or ammunition.

Section 539 prohibits funds from being used to deny the importation of shotgun models if no application for the importation of such models, in the same configuration, had been denied prior to January 1, 2011, on the basis that the shotgun was not particularly suitable for or readily adaptable to sporting purposes.

Section 540 prohibits the use of funds to implement the Arms Trade Treaty until the Senate approves a resolution of ratification for the Treaty.

Section 541 makes emergency supplemental appropriations for ''United States Marshals Service, Federal Prisoner Detention.''

Section 542 makes emergency supplemental appropriations for ''Federal Bureau of Investigation, Salaries and Expenses.''

Section 543 makes emergency supplemental appropriations for ''Federal Prison System, Salaries and Expenses.''

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE I - DEPARTMENT OF COMMERCE					
International Trade Administration					
Operations and administration	521,250	485,407	541,000	+19,750	+55,593
Offsetting fee collections	-11,000	-11,000	-11,000	---	---
Direct appropriation	510,250	474,407	530,000	+19,750	+55,593
Bureau of Industry and Security					
Operations and administration	87,652	96,664	92,100	+4,448	-4,564
Defense function	40,000	41,000	40,900	+900	-100
Total, Bureau of Industry and Security	127,652	137,664	133,000	+5,348	-4,664
Economic Development Administration					
Economic Development Assistance Programs	292,500	---	305,500	+13,000	+305,500
Salaries and expenses	40,500	31,593	40,500	---	+8,907
Total, Economic Development Administration	333,000	31,593	346,000	+13,000	+314,407
Minority Business Development Agency					
Minority Business Development	42,000	10,281	48,000	+6,000	+37,719

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Economic and Statistical Analysis					
Salaries and expenses	107,990	111,855	111,855	+3,865	---
Bureau of the Census					
Current Surveys and Programs	274,000	279,268	288,403	+14,403	+9,135
Periodic censuses and programs	4,784,319	1,392,709	818,241	-3,966,078	-574,468
2020 Census (H. Res. 293; HR 2021)	2,500,000	---	---	-2,500,000	---
Subtotal	7,284,319	1,392,709	818,241	-6,466,078	-574,468
Total, Bureau of the Census	7,558,319	1,671,977	1,106,644	-6,451,675	-565,333
National Telecommunications and Information Administration					
Salaries and expenses	40,441	72,203	45,500	+5,059	-26,703
United States Patent and Trademark Office					
Salaries and expenses, current year fee funding	3,450,681	3,695,295	3,695,295	+244,614	---
Offsetting fee collections	-3,450,681	-3,695,295	-3,695,295	-244,614	---
Total, United States Patent and Trademark Office	---	---	---	---	---

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
National Institute of Standards and Technology					
Scientific and Technical Research and Services	754,000	652,027	788,000	+34,000	+135,973
(transfer out)	(-9,000)	(-9,000)	(-9,000)	---	---
Industrial Technology Services	162,000	25,252	166,500	+4,500	+141,248
Manufacturing extension partnerships	(146,000)	---	(150,000)	(+4,000)	(+150,000)
Manufacturing USA	(16,000)	(25,252)	(16,500)	(+500)	(-8,752)
Construction of research facilities	118,000	40,644	80,000	-38,000	+39,356
(Legislative Proposal)	---	294,000	---	---	-294,000
Working Capital Fund (by transfer)	(9,000)	(9,000)	(9,000)	---	---
Total, National Institute of Standards and Technology	1,034,000	1,011,923	1,034,500	+500	+22,577
National Oceanic and Atmospheric Administration					
Operations, Research, and Facilities	3,763,939	3,165,124	3,840,300	+76,361	+675,176
(by transfer)	(174,774)	(183,834)	(246,171)	(+71,397)	(+62,337)
Promote and Develop Fund (transfer out)	(-174,774)	(-183,834)	(-246,171)	(-71,397)	(-62,337)
Subtotal	3,763,939	3,165,124	3,840,300	+76,361	+675,176

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Procurement, Acquisition and Construction	1,530,890	1,466,669	1,532,558	+1,668	+65,889
Pacific Coastal Salmon Recovery	65,000	---	65,000	---	+65,000
Fishermen's Contingency Fund	349	349	349	---	---
Fishery Disaster Assistance	---	300	---	---	-300
Fisheries Finance Program Account	-8,000	-7,600	-7,600	+400	---
Total, National Oceanic and Atmospheric Administration	5,352,178	4,624,842	5,430,607	+78,429	+805,765
Departmental Management					
Salaries and expenses	61,000	96,134	73,000	+12,000	-23,134
Renovation and Modernization	1,000	1,123	1,123	+123	---
DOC Nonrecurring Expense Fund	20,000	38,038	20,000	---	-18,038
Office of Inspector General	33,000	35,520	34,000	+1,000	-1,520
Collection from the Public Safety Trust Fund	(-2,000)	(-2,000)	(-2,000)	---	---
Public Safety Trust Fund transfer	(2,000)	(2,000)	(2,000)	---	---
Total, Departmental Management	115,000	170,815	128,123	+13,123	-42,692
Total, title I, Department of Commerce	15,220,830	8,317,560	8,914,229	-6,306,601	+596,669
(by transfer)	185,774	194,834	257,171	+71,397	+62,337
(transfer out)	-185,774	-194,834	-257,171	-71,397	-62,337

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE II - DEPARTMENT OF JUSTICE					
General Administration					
Salaries and expenses	114,740	121,769	119,000	+4,260	-2,769
Justice Information Sharing Technology	33,875	34,064	34,000	+125	-64
Total, General Administration	148,615	155,833	153,000	+4,385	-2,833
Executive Office for Immigration Review	672,966	882,872	734,000	+61,034	-148,872
Transfer from immigration examinations fee account	-4,000	-4,000	-4,000	---	---
Direct appropriation	668,966	878,872	730,000	+61,034	-148,872
Office of Inspector General	105,000	107,211	110,565	+5,565	+3,354
United States Parole Commission					
Salaries and expenses	13,308	13,539	13,539	+231	---
Legal Activities					
Salaries and expenses, general legal activities	920,000	971,429	960,000	+40,000	-11,429
Vaccine Injury Compensation Trust Fund	13,000	19,000	17,000	+4,000	-2,000
Salaries and expenses, Antitrust Division	166,755	188,524	184,524	+17,769	-4,000
Offsetting fee collections - current year	-141,000	-150,000	-150,000	-9,000	---

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Direct appropriation	25,755	38,524	34,524	+8,769	-4,000
Salaries and expenses, United States Attorneys	2,254,541	2,378,418	2,342,177	+87,636	-36,241
United States Trustee System Fund	227,229	234,464	232,361	+5,132	-2,103
Offsetting fee collections	-309,000	-318,000	-318,000	-9,000	---
Direct appropriation	-81,771	-83,536	-85,639	-3,868	-2,103
Salaries and expenses, Foreign Claims Settlement Commission	2,335	2,366	2,366	+31	---
Fees and expenses of witnesses	270,000	239,000	270,000	---	+31,000
Salaries and expenses, Community Relations Service	16,000	---	18,000	+2,000	+18,000
Assets Forfeiture Fund	20,514	20,514	20,514	---	---
Total, Legal Activities	3,440,374	3,585,715	3,578,942	+138,568	-6,773
United States Marshals Service					
Salaries and expenses	1,430,000	1,608,073	1,496,000	+66,000	-112,073
Construction	15,000	15,000	15,000	---	---
Federal Prisoner Detention	1,867,461	2,046,609	2,046,609	+179,148	---
Total, United States Marshals Service	3,312,461	3,669,682	3,557,609	+245,148	-112,073
National Security Division					
Salaries and expenses	110,000	117,451	117,451	+7,451	---

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Interagency Law Enforcement					
Interagency Crime and Drug Enforcement	550,458	585,145	550,458	---	-34,687
Federal Bureau of Investigation					
Salaries and expenses	3,841,128	3,955,100	3,955,042	+113,914	-58
Counterintelligence and national security	5,626,774	5,793,729	5,793,644	+166,870	-85
Subtotal, Salaries and expenses	9,467,902	9,748,829	9,748,686	+280,784	-143
Construction	485,000	51,895	566,100	+81,100	+514,205
Total, Federal Bureau of Investigation	9,952,902	9,800,724	10,314,786	+361,884	+514,062
Drug Enforcement Administration					
Salaries and expenses	2,722,295	2,859,304	2,796,762	+74,467	-62,542
Diversion control fund	-443,142	-460,499	-460,499	-17,357	---
Construction	---	---	50,000	+50,000	+50,000
Total, Drug Enforcement Administration	2,279,153	2,398,805	2,386,263	+107,110	-12,542
High Intensity Drug Trafficking Areas Program	---	254,000	---	---	-254,000

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Bureau of Alcohol, Tobacco, Firearms and Explosives					
Salaries and expenses	1,400,000	1,637,574	1,483,887	+83,887	-153,687
Construction	---	28,685	---	---	-28,685
Total, Bureau of Alcohol, Tobacco, Firearms and Explosives	1,400,000	1,666,259	1,483,887	+83,887	-182,372
Federal Prison System					
Salaries and expenses	7,470,000	7,611,126	7,708,375	+238,375	+97,249
Buildings and facilities	308,000	99,453	127,000	-181,000	+27,547
Limitation on administrative expenses, Federal Prison Industries, Incorporated	2,700	2,700	2,700	---	---
Total, Federal Prison System	7,780,700	7,713,279	7,838,075	+57,375	+124,796
State and Local Law Enforcement Activities					
Office on Violence Against Women:					
Prevention and prosecution programs	---	---	---	---	---
(by transfer)	(435,000)	---	(435,000)	---	(+435,000)
Crime Victims Fund (transfer out)	(-435,000)	---	(-435,000)	---	(-435,000)
Violence Against Women Prevention & Prosecution Programs	67,500	---	78,500	+11,000	+78,500

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Office of Justice Programs:					
Research, evaluation and statistics	79,000	86,500	82,000	+3,000	-4,500
State and local law enforcement assistance	1,892,000	1,511,200	1,914,000	+22,000	+402,800
Juvenile justice programs	320,000	227,500	346,000	+26,000	+118,500
Public safety officer benefits:					
Death benefits	117,000	119,000	119,000	+2,000	---
Disability and education benefits	24,800	24,800	24,800	---	---
Subtotal	141,800	143,800	143,800	+2,000	---
Total, Office of Justice Programs	2,432,800	1,969,000	2,485,800	+53,000	+516,800
Community Oriented Policing Services:					
COPS programs	343,000	---	386,000	+43,000	+386,000
Total, State and Local Law Enforcement Activities	2,843,300	1,969,000	2,950,300	+107,000	+981,300
General Provision					
EO 13929 Database	---	---	5,000	+5,000	+5,000
Total, title II, Department of Justice	32,605,237	32,915,515	33,789,875	+1,184,638	+874,360
(by transfer)	435,000	---	435,000	---	+435,000
(transfer out)	-435,000	---	-435,000	---	-435,000

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE III - SCIENCE					
Office of Science and Technology Policy	5,544	5,000	5,544	---	+544
National Space Council	1,965	1,965	1,965	---	---
National Aeronautics and Space Administration					
Science	7,138,900	6,306,500	7,301,000	+162,100	+994,500
Aeronautics	783,900	819,000	828,700	+44,800	+9,700
Space Technology	1,100,000	1,578,300	1,100,000	---	-478,300
Exploration	6,017,600	8,761,700	6,555,400	+537,800	-2,206,300
Space Operations	4,140,200	4,187,300	3,988,200	-152,000	-199,100
Science, Technology, Engineering, and Mathematics Engagement	120,000	---	127,000	+7,000	+127,000
Safety, Security and Mission Services	2,913,300	3,009,900	2,936,500	+23,200	-73,400
Construction and environmental compliance and restoration	373,400	539,085	390,278	+16,878	-148,807
Office of Inspector General	41,700	44,200	44,200	+2,500	---
Total, National Aeronautics and Space Administration	22,629,000	25,245,985	23,271,278	+642,278	-1,974,707
National Science Foundation					
Research and related activities	6,666,200	6,142,020	6,838,769	+172,569	+696,749
Defense function	71,000	71,000	71,000	---	---
Subtotal	6,737,200	6,213,020	6,909,769	+172,569	+696,749

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Major Research Equipment and Facilities Construction..	243,230	229,750	241,000	-2,230	+11,250
Education and Human Resources.....	940,000	930,930	968,000	+28,000	+37,070
Agency Operations and Award Management.....	336,900	345,640	345,640	+8,740	---
Office of the National Science Board.....	4,500	4,210	4,500	---	+290
Office of Inspector General.....	16,500	17,850	17,850	+1,350	---
Total, National Science Foundation.....	8,278,330	7,741,400	8,486,759	+208,429	+745,359
Total, Title III, Science.....	30,914,839	32,994,350	31,765,546	+850,707	-1,228,804

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE IV - RELATED AGENCIES					
Commission on Civil Rights					
Salaries and expenses	10,500	10,065	12,500	+2,000	+2,435
Equal Employment Opportunity Commission					
Salaries and expenses	389,500	362,481	404,490	+14,990	+42,009
International Trade Commission					
Salaries and expenses	99,400	99,600	103,000	+3,600	+3,400
Legal Services Corporation					
Payment to the Legal Services Corporation	440,000	18,200	465,000	+25,000	+446,800
Marine Mammal Commission					
Salaries and expenses	3,616	2,449	3,769	+153	+1,320

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Office of the U.S. Trade Representative					
Salaries and expenses	54,000	60,000	55,000	+1,000	-5,000
Trade Enforcement Trust Fund	15,000	13,000	15,000	---	+2,000
State Justice Institute					
Salaries and expenses	6,555	8,000	7,000	+445	-1,000
Total, title IV, Related Agencies	1,018,571	573,795	1,065,759	+47,188	+491,964

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE V - GENERAL PROVISIONS					
Crime Victims Fund (transfer out) (Sec. 510)	(-10,000)	---	(-10,000)	---	(-10,000)
Department of Justice OIG (by transfer)	(10,000)	---	(10,000)	---	(+10,000)
DOC National Institute of Standards and Technology, Industrial Technology Services (rescission)	---	-20,000	---	---	+20,000
Economic Development Assistance Programs (rescission)	-17,000	-38,000	-10,000	+7,000	+28,000
NOAA, Fisheries, Enforcement Asset Forfeiture Funds (rescission)	-5,000	---	-5,000	---	-5,000
Periodic Censuses and Programs (rescission)	---	-88,600	---	---	+88,600
DOJ, Working Capital Fund (rescission)	-107,000	-75,000	-188,000	-81,000	-113,000
FBI, Salaries and Expenses:					
nondefense (rescission)	-29,200	-32,456	-32,456	-3,256	---
defense (rescission)	-42,774	-47,544	-47,544	-4,770	---
FBI, Construction (rescission)	---	-150,000	---	---	+150,000
Federal Prison System, Buildings and Facilities (rescission)	---	-505,000	---	---	+505,000
Violence against women prevention and prosecution programs (rescission)	---	-10,000	---	---	+10,000
Office of Justice programs (rescission)	-70,000	-85,000	-127,000	-57,000	-42,000
COPS (rescission)	-13,000	---	-15,000	-2,000	-15,000
NASA Science (rescission)	-70,000	---	---	+70,000	---
DEA, salaries & expenses (rescission)	-10,000	---	---	+10,000	---
United States Marshals Service, Federal Prisoner Detention Sec. 541 (emergency)	---	---	125,000	+125,000	+125,000
Federal Bureau of Investigation, Salaries and Expenses Sec. 542 (emergency)	---	---	179,000	+179,000	+179,000
Federal Prison System, Salaries and Expenses Sec. 543					

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
(emergency)	---	---	300,000	+300,000	+300,000
Total, title V, General Provisions	-363,974	-1,051,600	179,000	+542,974	+1,230,600

COMMERCE, JUSTICE, SCIENCE, AND RELATED AGENCIES APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Grand total	79,395,503	73,749,620	75,714,409	-3,681,094	+1,964,789
Appropriations	(77,259,477)	(74,801,220)	(75,535,409)	(-1,724,068)	(+734,189)
Rescissions	(-363,974)	(-1,051,600)	(-425,000)	(-61,026)	(+626,600)
Emergency appropriations	---	---	(604,000)	(+604,000)	(+604,000)
Census Cap Adjustment	(2,500,000)	---	---	(-2,500,000)	---
(by transfer)	630,774	194,834	702,171	+71,397	+507,337
(transfer out)	-630,774	-194,834	-702,171	-71,397	-507,337

DIVISION C—DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

The following is an explanation of the effects of this Act, which makes appropriations for the Department of Defense for fiscal year 2021. The joint explanatory statement accompanying this division is approved and indicates congressional intent. Unless otherwise noted, the language set forth in House Report 116–453 carries the same weight as language included in this joint explanatory statement and should be complied with unless specifically addressed to the contrary in this joint explanatory statement. While some language is repeated for emphasis, it is not intended to negate the language referred to above unless expressly provided herein.

DEFINITION OF PROGRAM, PROJECT, AND ACTIVITY

For the purposes of the Balanced Budget and Emergency Deficit Control Act of 1985 (Public Law 99–177), as amended by the Balanced Budget and Emergency Deficit Control Reaffirmation Act of 1987 (Public Law 100–119), and by the Budget Enforcement Act of 1990 (Public Law 101–508), 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, 2021, the related classified annexes and explanatory statements, and the 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 2022, the Secretary of Defense is directed to transmit to the congressional defense committees budget justification documents to be known as the ''M–1'' and the ''O–1'' which shall identify, at the budget activity, activity group, and subactivity 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 2022.

REPROGRAMMING GUIDANCE FOR BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING

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; operation and maintenance; procurement; and 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, 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 statement.

FUNDING INCREASES

The funding increases outlined in the tables for each appropriation account shall be provided only for the specific purposes indicated in the tables.

CONGRESSIONAL SPECIAL INTEREST ITEMS

Items for which additional funds have been provided or items for which funding is specifically reduced as shown in the project level tables 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 in the explanatory statement.

CLASSIFIED ANNEX

Adjustments to classified programs are addressed in the accompanying classified annex.

GENERAL TRANSFER AUTHORITY AND SPECIAL TRANSFER AUTHORITY

The Congress, in exercising its constitutional responsibility to oversee the executive branch, must improve its understanding of the Department of Defense's application of transfer authority and reprogramming actions as the Department executes the budget authority granted by the Congress. The Secretary of Defense is directed to submit a report to the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act which shall include the following:

(1) The levels of General Transfer Authority (GTA)—granted in title VIII in annual defense appropriations acts—and Special Transfer Authority (STA)—granted in title IX in annual defense appropriations acts—provided to the Department of Defense by fiscal year for the last ten fiscal years. In addition to the overall levels of authorized GTA and STA, the report shall include the portion of authorized GTA and STA that was utilized by the Department by fiscal year, and specify the percentage of the total GTA and STA that was used for below threshold reprogramming actions;

(2) The portion of GTA and STA, by fiscal year for the last ten fiscal years, appropriated to the Department of Defense, transferred to, and subsequently implemented by a Department or agency other than one funded in this Act;

(3) The level of GTA and STA, by fiscal year for the last ten fiscal years, used for actions submitted to address urgent mission critical requirements, unforeseen circumstances of an urgent nature (such as the unanticipated mobilization and movement of military personnel to a conflict zone, or investments included in joint urgent operational needs statements), or for life safety; and

(4) The portion of GTA and STA, by fiscal year for the last ten fiscal years, used to address non-urgent contract awards, to fund initiatives or investments included in operational needs statements, to accelerate existing acquisition programs, to procure quantities of equipment and/or services originally planned for purchase in the future years defense program as presented in the respective budget year, and/or to augment previously planned research and development efforts.

Further, the Comptroller General is directed, not than later 30 days after the submission of the above-mentioned report to the House and Senate Appropriations Committees, to provide to these Committees a review of this report, to include an assessment of the extent to which the actions described in response to the direction above comply with existing appropriations law.

APPROPRIATIONS FOR DEPARTMENT OF DEFENSE-IDENTIFIED UNFUNDED REQUIREMENTS

In accordance with 10 U.S.C. 222(a), the military Services and combatant commands submitted to the congressional defense committees with submission of the fiscal year 2021 President's budget request their unfunded mission requirements. As in previous years, these requests were assessed on the basis of cost, schedule, and performance. Therefore, this agreement recommends additional appropriations to address these shortfalls, as appropriate.

It is noted that, in some instances, appropriations provided in prior fiscal years to address unfunded requirements remained unobligated for several years after they were appropriated. Subsequently, those unobligated appropriations were proposed for realignment for purposes other than those requested by the Department of Defense and intended by the Congress. While it is understandable that requirements evolve and associated funding requirements change during execution of the budget, such unexecuted and/or reallocated appropriations suggest that additional details regarding the execution of appropriations provided specifically for unfunded requirements identified by the Department of Defense are warranted. Therefore, it is directed that any submission of unfunded requirements with the fiscal year 2022 President's budget request be accompanied by updated execution data that speaks to the extent to which the unfunded requirements that received appropriations in fiscal year 2021 were fulfilled or partially fulfilled. Further, the Assistant Secretaries (Financial Management and Comptroller) for the Air Force, Navy, and Army are directed to provide, not later than 30 days after the enactment of this Act, updated budget request brief templates to the congressional defense committees that include distinct programmatic and execution data for appropriations provided in the previous three fiscal years for unfunded requirements.

INDEPENDENT COST ESTIMATES AND OTHER PROGRAM INFORMATION

In accordance with 10 U.S.C. 2334(a), the Director, Cost Assessment and Program Evaluation (CAPE), is directed to conduct or approve Independent Cost Estimates (ICEs) in advance of certain milestones for all major defense acquisition programs and major subprograms. In addition, Department of Defense Instruction 5000.73 outlines the responsibilities of the Director, CAPE in providing estimates and expresses the policy of the Department for its use. It is noted that Instruction 5000.73 defines an ICE as ''a full life-cycle cost estimate of a program and includes: All costs of development, procurement, military construction, operations and support, disposal, and trained manpower to operate, maintain, and support the program or subprogram upon full operational deployment, without regard to funding source or management control.''

The congressional defense committees view ICEs as a critical source of information about programs consuming billions of taxpayer dollars. For the purpose of recommending appropriations, the committees

routinely review ICEs along with program requirements information and cost, schedule and performance data, to include acquisition decision memoranda and test and evaluation master plans. Timely and complete submission of all documents to the congressional defense committees is necessary to conduct oversight and should be done as a routine matter. The Deputy Secretary of Defense is directed to provide ICEs to the congressional defense committees for all major defense acquisition programs and major subprograms included in the President's budget request and accompanying future years defense program, as well as those directed by the congressional defense committees.

CONGRESSIONAL LIAISON OFFICES

Department of Defense Appropriations Acts have long maintained restrictions on the use of funds to consolidate 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 into a legislative affairs or legislative liaison office. The House and Senate Appropriations Committees continue to support the dedication of liaisons to the specialized work of the Committees and want to ensure that these offices have the staff and resources they need to be effective. Therefore, not later than 90 days after the enactment of this Act, the Secretary of Defense is directed to submit proposals and recommendations to the House and Senate Appropriations Committees to strengthen the budget and appropriations liaison offices to improve coordination within the Department of Defense and the House and Senate Appropriations Committees for the vital work performed by each institution. These proposals and recommendations should include an examination of rank and promotion parity, civilian and military integration within each office, and other proposals deemed appropriate by each Service. Furthermore, the Secretary of Defense is directed to maintain and fill no fewer than nine liaison positions in the Office of the Under Secretary of Defense (Comptroller), Budget and Appropriations Affairs during fiscal year 2021.

READINESS

The agreement recommends an additional $300,500,000 in title VIII of this Act to be transferred to the operation and maintenance accounts and be divided proportionately among the Services and the National Guard and reserve components. This funding shall be used only to improve military readiness, including increased training, depot maintenance, and base operations support. None of the funding provided may be used for recruiting, marketing, or advertising programs. The funding provided is a congressional special interest item. The Secretary of Defense and the Service Secretaries are directed to submit a detailed spending plan by sub-activity group to the House and Senate Appropriations Committees 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.

F–35 PRODUCTION

The fiscal year 2021 President's budget request includes 79 F–35 Joint Strike Fighters (JSF), 19 fewer than were provided in the Department of Defense Appropriations Act, 2020 (Public Law 116–93). The agreement notes that the Department of Defense continues to request fewer than 60 F–35A variants and the F–35B procurement profile was reduced to ten aircraft in the fiscal year 2021 President's budget request, five fewer than were planned in the fiscal year 2020 President's budget for fiscal year 2021. The agreement notes that the reduction in F–35Bs was partially offset by an increase in the Marine Corps' request for F–35Cs as part of force structure decisions. As a result, the agreement recommends an additional $1,129,000,000 to procure 12 additional F–35As in fiscal year 2021, as delineated in the Air Force's unfunded priorities list. In addition, the agreement recommends $518,400,000 to procure five additional F–35Cs for the Navy and Marine Corps.

The Department of Defense took several actions in prior years to prepare for Turkey's removal from the F–35 program, including changes to its supply base and supply chain to accommodate the loss of Turkish industrial participation. However, the agreement notes that full transition away from Turkish parts will not occur until delivery of lot 14 is complete. Therefore, not later than 60 days after the enactment of this Act, and quarterly thereafter through final delivery of lot 14 aircraft, the Program Executive Officer, F–35 Joint Program Office, is directed to submit a report to the congressional defense committees on the status of contributions by Turkish suppliers to the F–35 supply chain. The report shall also include efforts by the prime contractor and the Department to ensure compliance with section 1245 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) and updates on the production and delivery schedule for lot 14 aircraft.

F–35 PARTS REIMBURSEMENT

The prime vendor for the Joint Strike Fighter and the Department of Defense are in negotiation regarding reimbursement to the Department for parts delivered that were considered inadequate for installation. The Program Executive Officer, F–35 Joint Program Office, in coordination with the Assistant Secretary of the Air Force (Acquisition, Technology and Logistics) and the Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to include, in the President's budget request for fiscal year 2022, budgetary information that reflects the sum of any credited funds and the budgetary lines in which the Service will apply those credits to reduce program costs.

F–35 ECONOMIC ORDER QUANTITY

The fiscal year 2021 President's budget request for F–35 includes $492,063,000 for economic order quantity (EOQ) materials for 254 United States F–35 aircraft to be procured in fiscal years 2021 through 2023 (lots 15–17). This is the second and final tranche of EOQ requested by the Program Executive Officer, F–35 Joint Program Office (JPO) for lot 15–17 aircraft following $543,730,000 requested by the JPO and appropriated by the Congress in fiscal year 2020 for that purpose. Typically, EOQ authorization and appropriations provide bulk purchasing authority of components under a multi-year procurement per 10 U.S.C. 2306(b). Requesting authority and funding for EOQ outside of a certified multi-year procurement is highly unusual. Nevertheless, in order to achieve program cost savings in excess of $400,000,000, the JPO first requested and Congress authorized and appropriated EOQ absent a multi-year procurement for F–35 in fiscal year 2018 for aircraft purchased in fiscal years 2018 through 2020 (lots 12–14). However, the savings estimated by the JPO in support of that EOQ did not materialize to the extent projected. Further, despite receiving EOQ as requested in fiscal year 2020 for 270 United States aircraft to be procured in lots 15–17, the fiscal year 2021 budget submission reduced the quantity of United States aircraft to be procured in lots 15–17, calling into question the value of purchasing bulk material using EOQ authority and appropriations, and the ability to generate the savings previously estimated.

The lack of savings materialized and continued adjustments to F–35 aircraft quantities year-over-year call into question whether appropriations for EOQ should continue to be provided to the F–35 program. However, changes to funding, contracting, and acquisition strategies mid-stream could have detrimental effects on program costs and the supplier base. Therefore, the agreement provides full funding for the EOQ requested in fiscal year 2021 for lots 15–17 as this is the final EOQ request for these aircraft. The Director, Cost Assessment and Program Evaluation, is directed to submit to the congressional defense committees, with the submission of the fiscal year 2022 President's budget request, an estimate of cost savings materialized for lot 15–17 aircraft directly resulting from EOQ appropriated in fiscal years 2020 and 2021. Finally, the agreement contains a rescission of $28,167,000 for fiscal year 2020 EOQ for lot 15–17 aircraft the JPO no longer plans to procure.

BUDGETING FOR F–35 MODERNIZATION

The fiscal year 2021 President's budget request includes $14,186,886,000 for development, production, and sustainment of the F–35, including $1,578,760,000 for follow-on modernization of the F–35A, F–35B, and F–35C aircraft to provide 513 additional individual capabilities. It is noted that the Department of Defense has budgeted $5,731,731,000 from fiscal year 2021 through fiscal year 2025 for these follow-on modernization efforts, and that the total estimate for the follow-on modernization program is $17,900,000,000. Follow-on modernization of the F–35 continues to be supported by the congressional defense committees, and despite some concerns with the ability to measure delivered software updates against planned capabilities as well as the delayed synchronization of fielded aircraft capabilities and the ability to maintain associated training cycles, the Department's adopted acquisition strategy of Continuous Capability Development and Delivery (C2D2) for follow-on modernization is not objected to at this time. However, there are concerns with the Department's approach to budgeting for C2D2 and the lack of detail in the budget justification materials. For instance, the ''R–2A Project Justification'' and ''R–3 Project Cost Analysis'' for Air Force, Navy, and Marine Corps C2D2 budget exhibits do not trace to funds requested in the respective program elements for projects in that fiscal year, nor to the project level execution data provided during the congressional budget review process. Further, there are concerns with project level funding adjustments in the year of budget execution, as well as with repeated adjustments to the budget request for follow-on modernization after the submission of the budget request.

In order to ensure visibility into follow-on modernization cost and performance, and traceability of appropriated and requested funding to fielded capabilities, the project structure for F–35 C2D2 needs to be revised. Upon consultation with the Program Executive Officer, F–35 Joint Program Office, this revision is detailed in the project level tables accompanying the Research, Development, Test and Evaluation, Navy and Research, Development, Test and Evaluation, Air Force appropriation accounts in this explanatory statement. The Program Executive Officer, F–35 Joint Program Office, is directed to follow this revised project structure for C2D2 in future budget submissions, to include all justification materials, budget briefs, and execution updates. Further, while visibility into international contributions to the C2D2 program is appreciated, the agreement recommends appropriations for United States requirements only. Therefore, the budget justification materials should only reflect the request for those appropriations.

NEW BUDGET EXHIBIT CAPTURING SAVINGS FROM PROPOSED FORCE STRUCTURE CHANGES

The Under Secretary of Defense (Comptroller) and the Assistant Secretary of the Air Force (Financial Management and Comptroller) are directed to collaborate with the House and Senate Appropriations Committees to create a budget exhibit that will display the savings assumed in the budget request for aircraft retirements and divestitures to be submitted with each President's budget request. The display shall have a separate page for each aircraft type/model/series that shall include, but not be limited to, quantities of aircraft impacted, funding changes by appropriation and line item through the entire future years defense program, and a narrative explaining how the funding change for each line was derived. Discussions on this new budget exhibit are expected to begin not later than 45 days after the enactment of this Act. The exhibit shall be included in the justification materials submitted with the fiscal year 2023 President's budget request.

CLOUD COMPUTING SERVICES BUDGET EXHIBIT

The Chief Information Officer of the Department of Defense is directed to provide a separate narrative page to be included after the funding table for each military Service and defense agency in the budget exhibit titled ''Department of Defense FY 2021 Cloud Profile and Budget Estimates''. The narrative shall address the factors driving any funding changes between fiscal years by appropriation; a description of the strategies each military Service and defense agency will use to implement cloud computing, including a timeline; and how these strategies will be incorporated into the Department's overall enterprise cloud environment.

MISSILE DEFENSE AGENCY BUDGET REQUEST, PRIORITIES, AND UNFUNDED REQUIREMENTS

The fiscal year 2021 President's budget request for the Missile Defense Agency (MDA) totals $9,133,668,000 (excluding appropriations for Military Construction), a decrease of $1,273,122,000 from amounts enacted for fiscal year 2020. Separately, with submission of the fiscal year 2021 President's budget request, the Director, MDA, submitted to the congressional defense committees a list of unfunded MDA requirements for fiscal year 2021 totaling $969,222,000. The apparent disconnect among the 2017 National Security Strategy, the 2018 National Defense Strategy, the 2020 Missile Defense Review (which defines missile defense as ''an essential component of United States national security and defense strategies''), and the fiscal year 2021 President's budget request for MDA is concerning. In particular, ongoing acquisition programs that were identified as high priority within MDA's architecture as recently as one year ago, such as the development of a space sensor for the tracking of hypersonic threats and ballistic missiles, the development of an interceptor against hypersonic weapons, and the procurement of a radar for the defense of Hawaii, have been removed from MDA's budget, or underwent significant funding reductions. The inconsistencies are concerning, and greater programmatic and fiscal alignment consistent with the aforementioned documents among the Director, MDA; the Under Secretary of Defense (Research and Engineering); the Under Secretary of Defense (Acquisition and Sustainment); the Under Secretary of Defense (Comptroller); the Deputy Secretary of Defense; the Director, Cost Assessment and Program Evaluation; and the Director, Office of Management and Budget, is expected in future budget submissions. A total of $10,464,614,000 is recommended for MDA activities for fiscal year 2021, an increase of $1,330,946,000 above the request, and the Director, MDA is directed to provide the congressional defense committees, not later than 30 days after the enactment of this Act, updated acquisition and spend plans for MDA's fiscal year 2021 appropriations.

MISSILE DEFENSE AGENCY WORKFORCE

The fiscal year 2021 President's budget request proposes a reduction to the Missile Defense Agency's (MDA) civilian workforce by 35 full-time equivalents (FTEs). It is noted that over the last four years, MDA's civilian FTEs have been reduced by more than four percent and that the fiscal year 2021 future years defense program proposes to further reduce MDA's civilian FTEs by more than five percent from current levels—even as MDA's workload continues to grow during that timeframe. Further, the assessment directed in Senate Report 116–103 regarding MDA's required workforce size, qualifications, and makeup to address MDA requirements has not been submitted to the congressional defense committees. Therefore, the fiscal year 2021 proposal to further reduce MDA's civilian FTE is rejected, and an increase of $15,000,000 in fiscal year 2021 to restore these MDA personnel reductions is recommended. Further, it is directed that no adjustments may be made to MDA's workforce size, structure, and organization until 30 days after the Deputy Secretary of Defense, acting directly through the Director, MDA, briefs the congressional defense committees on any such proposed adjustments.

HYPERSONIC AND BALLISTIC TRACKING SPACE SENSOR

The fiscal year 2021 President's budget request includes no funds for the Missile Defense Agency (MDA) to continue the development of a Hypersonic and Ballistic Tracking Space Sensor (HBTSS) program, which is required to detect and track hypersonic threats and ballistic missiles. It is noted that MDA began this program in fiscal year 2013 and that the Director, MDA has repeatedly identified HBTSS as a top acquisition program for MDA.

The Space Development Agency (SDA) and MDA will share responsibility for developing and deploying the HBTSS architecture and constellation under a joint Memorandum of Agreement that defines each agency's roles and responsibilities, and SDA's development efforts are fully funded elsewhere within the Research, Development, Test and Evaluation, Defense-Wide appropriation. With the fiscal year 2021 budget request, the Director, MDA, in response to Senate Report 116–103, submitted to the congressional defense committees a limited acquisition strategy for HBTSS. Details regarding the overall space architecture to be developed and fielded by SDA and MDA and cost estimates were not included. Therefore, the Directors, SDA and MDA are directed to jointly provide to the congressional defense committees, with submission of the President's fiscal year 2022 budget request, the comprehensive acquisition strategy for HBTSS, including the components of the architecture, respective fielding plans, contract-type determinations and rationales therefor, plans for technical data management, integrated master test plans and integrated master schedules, as well as cost estimates by element and for the overall strategy. A total of $130,000,000 is recommended for MDA's HBTSS sensor efforts in fiscal year 2021, to include a transfer of $10,000,000 of funds for HBTSS requested within SDA's budget, and it is expected that this program will be fully funded in future budget submissions for both MDA and SDA.

BUDGETING FOR MISSILE DEFENSE AGENCY TEST EVENTS

The fiscal year 2021 President's budget request includes $1,287,008,000 for Missile Defense Agency (MDA) test events and associated test infrastructure. Regular and realistic testing of the ballistic missile defense system to prove out missile defense capabilities, increase engagement capability and capacity, and build warfighter confidence is strongly supported. However, the repeated volatility of the MDA's annual test plans resulting in schedule adjustments, test delays, and the cancellation of previously planned and budgeted flight tests in the year of execution, is concerning. Funds for MDA's fiscal year 2021 budget request for test events are recommended per the supplemental test event budget briefing materials provided to the House and Senate Appropriations Committees, as modified by the table of ''Project Level Adjustments'' in the explanatory statement accompanying this Act, and MDA's test budget is designated as a congressional special interest item for the purpose of Base for Reprogramming.

HOMELAND DEFENSE RADAR–HAWAII

The President's fiscal year 2021 budget request includes no funds to continue acquisition of a Homeland Defense Radar on Hawaii. A discrimination radar on Hawaii is an important part of the architecture for United States homeland defense, and the Missile Defense Agency (MDA) awarded a fixed-price incentive contract for the production of this radar in December 2018. In order to maintain efficient production of the radar, an additional $133,000,000, only to be used for the Homeland Defense Radar–Hawaii, is recommended.

The site selection for the radar has been delayed due to locations previously under consideration no longer being considered viable, and one alternate location (''#4'') on the Pacific Missile Range Facility (PMRF) will be added to the environmental impact statement for full environmental analysis. The House and Senate Appropriations Committees look forward to receiving the results of that analysis in a timely manner. Further, the Director, MDA is directed to submit a report to the congressional defense committees, not later than 30 days after the enactment of this Act, regarding the viability of PMRF site #4 as an alternative site for Homeland Defense Radar–Hawaii, and this report shall detail the planning process between MDA and the Navy regarding validation of PMRF site #4 as an alternative site, to include steps taken to complete an assessment of a radar's impact on PMRF training range operations and an estimated timeline for completion of the environmental review and issuance of a record of decision. In addition, the Secretary of the Navy and the Commander, United States Pacific Fleet, are directed to jointly provide the congressional defense committees, not later than with the submission of the fiscal year 2022 President's budget request, an independent assessment regarding the impact of locating a Homeland Defense Radar–Hawaii at PMRF site #4 on Navy and Marine Corps operations, including any mitigations the Navy and Marine Corps would require and associated cost estimates.

AEGIS BASELINES BUDGET ESTIMATES

As previously expressed in Senate Report 116–103, concerns remain with the lack of stability of the scope and costs of AEGIS ''baselines'' and inadequate budget justification materials. The Missile Defense Agency Program Executive, Sea-Based Weapons Systems and the Department of the Navy Program Executive Officer, Integrated Warfare Systems are directed to provide to the congressional defense committees, not later than 30 days after the enactment of this Act, a joint acquisition baseline for AEGIS development efforts.

SUPPORT TO THE DEPARTMENT OF HEALTH AND HUMAN SERVICES FOR THE STRATEGIC NATIONAL STOCKPILE

The agreement recognizes the Department of the Army's capabilities in additive manufacturing that may enhance preparedness and be leveraged in the event of a public health emergency requiring activation of critically needed medical supplies from the Strategic National Stockpile. The Secretary of Defense is urged to work with the Secretary of Health and Human Services (HHS) to provide technical manufacturing expertise to the Strategic National Stockpile for the provision of components of medical supplies and devices to replenish depleted stocks, provide surge capacity, and maintain the stockpile over time. Further, the agreement 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, detailing the Department's work with HHS to support the Strategic National Stockpile.

CHIMPANZEES ON AIR FORCE PROPERTY

The Secretary of the Air Force is encouraged to work with the Director of the National Institutes of Health to seek alternative arrangements for the housing and care of chimpanzees currently residing on Air Force property.

TITLE I—MILITARY PERSONNEL

The agreement provides $157,807,905,000 in Title I, Military Personnel, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RECAPITULATION		
MILITARY PERSONNEL, ARMY	45,087,813	44,861,853
MILITARY PERSONNEL, NAVY	33,892,369	33,764,579
MILITARY PERSONNEL, MARINE CORPS	14,840,871	14,557,436
MILITARY PERSONNEL, AIR FORCE	32,901,670	32,784,171
RESERVE PERSONNEL, ARMY	5,106,956	5,037,119
RESERVE PERSONNEL, NAVY	2,240,710	2,200,600
RESERVE PERSONNEL, MARINE CORPS	868,694	843,564
RESERVE PERSONNEL, AIR FORCE	2,207,823	2,193,493
NATIONAL GUARD PERSONNEL, ARMY	8,830,111	8,663,999
NATIONAL GUARD PERSONNEL, AIR FORCE	4,547,087	4,530,091
GRAND TOTAL, TITLE I, MILITARY PERSONNEL	150,524,104	149,436,905
GRAND TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	8,371,000	8,371,000
GRAND TOTAL, MILITARY PERSONNEL	158,895,104	157,807,905

SUMMARY OF MILITARY PERSONNEL END STRENGTH

	Fiscal year 2021				
	Fiscal year 2020 authorized	Budget Request	Final Bill	Change from request	Change from fiscal year 2020
Active Forces (End Strength):					
Army	480,000	485,900	485,900	– – –	5,900
Navy	340,500	347,800	347,800	– – –	7,300
Marine Corps	186,200	184,100	181,200	– 2,900	– 5,000
Air Force	332,800	333,700	333,700	– – –	900
Total, Active Forces	1,339,500	1,351,500	1,348,600	– 2,900	9,100
Guard and Reserve Forces (End Strength):					
Army Reserve	189,500	189,800	189,800	– – –	300
Navy Reserve	59,000	58,800	58,800	– – –	– 200
Marine Corps Reserve	38,500	38,500	38,500	– – –	– – –
Air Force Reserve	70,100	70,300	70,300	– – –	200
Army National Guard	336,000	336,500	336,500	– – –	500
Air National Guard	107,700	108,100	108,100	– – –	400
Total, Selected Reserve	800,800	802,000	802,000	– – –	1,200
Total, Military Personnel	2,140,300	2,153,500	2,150,600	– 2,900	10,300

SUMMARY OF GUARD AND RESERVE FULL-TIME STRENGTH

	Fiscal year 2021				
	Fiscal year 2020 authorized	Budget Request	Final Bill	Change from request	Change from fiscal year 2020
Active Guard and Reserve:					
Army Reserve	16,511	16,511	16,511	– – –	– – –
Navy Reserve	10,155	10,215	10,215	– – –	60
Marine Corps Reserve	2,386	2,386	2,386	– – –	– – –
Air Force Reserve	4,431	5,256	5,256	– – –	825
Army National Guard	30,595	30,595	30,595	– – –	– – –
Air National Guard	22,637	25,333	25,333	– – –	2,696
Total, Full-Time Support	86,715	90,296	90,296	– – –	3,581

MILITARY PERSONNEL OVERVIEW

The agreement provides the resources required for 1,348,600 active forces and 802,000 selected reserve forces in order to meet operational needs for fiscal year 2021. The agreement also provides the funding necessary to support a 3 percent pay raise for all military personnel, effective January 1, 2021.

REPROGRAMMING GUIDANCE FOR MILITARY PERSONNEL ACCOUNTS

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING)

The Secretary of Defense is directed to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2021 appropriations 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 Defense Appropriations Subcommittees.

The Secretary of Defense is directed 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 the 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 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.

RESERVE COMPONENT BUDGET REPORTING

The Secretary of Defense is directed to provide a semi-annual detailed report to the congressional defense committees which shows transfers between sub-activities within the military personnel appropriation. Reports shall be submitted not later than 30 days after the end of the second quarter and not later than 30 days after the end of the fiscal year.

SUICIDE PREVENTION AND OUTREACH

The agreement adopts the reporting requirements contained under the heading ''Suicide Prevention and Outreach'' in House Report 116–453 but changes the reporting requirement frequency from monthly to semi-annually.

MILITARY PERSONNEL AND EXTREMIST IDEOLOGIES

The Secretary of Defense shall, not later than 120 days after the enactment of this Act, provide the congressional defense committees with an update to the report on military personnel and extremist or criminal groups submitted to Congress on January 24, 2020. The report shall describe new policy and personnel actions taken since the preceding report and provide additional information on the types of extremist or criminal groups involved in such personnel actions. Details may be provided by a classified appendix, if required.

MILITARY PERSONNEL, ARMY

The agreement provides $44,861,853,000 for Military Personnel, Army, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MILITARY PERSONNEL, ARMY		
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	7,718,303	7,718,303
RETIRED PAY ACCRUAL	2,686,055	2,686,055
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	97,203	97,203
BASIC ALLOWANCE FOR HOUSING	2,236,517	2,236,517
BASIC ALLOWANCE FOR SUBSISTENCE	294,761	294,761
INCENTIVE PAYS	92,859	92,859
SPECIAL PAYS	375,286	375,286
ALLOWANCES	183,299	183,299
SEPARATION PAY	67,499	67,499
SOCIAL SECURITY TAX	588,377	588,377
TOTAL, BUDGET ACTIVITY 1	14,340,159	14,340,159
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	14,202,907	14,202,907
RETIRED PAY ACCRUAL	4,949,153	4,949,153
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	123,092	123,092
BASIC ALLOWANCE FOR HOUSING	4,740,859	4,740,859
INCENTIVE PAYS	87,963	87,963
SPECIAL PAYS	883,084	883,084
ALLOWANCES	712,600	712,600
SEPARATION PAY	303,910	303,910
SOCIAL SECURITY TAX	1,086,522	1,086,522
TOTAL, BUDGET ACTIVITY 2	27,090,090	27,090,090
ACTIVITY 3: PAY AND ALLOWANCES OF CADETS		
ACADEMY CADETS	93,453	93,453
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	1,283,616	1,283,616
SUBSISTENCE-IN-KIND	653,596	653,596
FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	12	12
TOTAL, BUDGET ACTIVITY 4	1,937,224	1,937,224

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ACTIVITY 5: PERMANENT CHANGE OF STATION		
ACCESSION TRAVEL	146,226	146,226
TRAINING TRAVEL	160,046	160,046
OPERATIONAL TRAVEL	440,920	440,920
ROTATIONAL TRAVEL	691,296	691,296
SEPARATION TRAVEL	238,612	238,612
TRAVEL OF ORGANIZED UNITS	1,747	1,747
NON-TEMPORARY STORAGE	8,592	8,592
TEMPORARY LODGING EXPENSE	38,508	38,508
TOTAL, BUDGET ACTIVITY 5	1,725,947	1,725,947
ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS		
APPREHENSION OF MILITARY DESERTERS	253	253
INTEREST ON UNIFORMED SERVICES SAVINGS	79	79
DEATH GRATUITIES	41,400	41,400
UNEMPLOYMENT BENEFITS	27,904	27,904
EDUCATION BENEFITS	36	36
ADOPTION EXPENSES	603	603
TRANSPORTATION SUBSIDY	13,390	13,390
PARTIAL DISLOCATION ALLOWANCE	112	112
RESERVE OFFICERS TRAINING CORPS (ROTC)	107,570	107,570
JUNIOR ROTC	30,409	30,409
TOTAL, BUDGET ACTIVITY 6	221,756	221,756
LESS REIMBURSABLES	-320,816	-320,816
UNDISTRIBUTED ADJUSTMENT	---	-225,960
TOTAL, TITLE I, MILITARY PERSONNEL, ARMY	45,087,813	44,861,853
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	2,351,000	2,351,000
TOTAL, MILITARY PERSONNEL, ARMY	47,438,813	47,212,853

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-225,960**
Historical unobligated balances		-138,363
Revised budget estimate		-74,750
Rate adjustments		-12,847

MILITARY PERSONNEL, NAVY

The agreement provides $33,764,579,000 for Military Personnel, Navy, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MILITARY PERSONNEL, NAVY		
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	4,717,199	4,717,199
RETIRED PAY ACCRUAL	1,643,356	1,643,356
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	76,465	76,465
BASIC ALLOWANCE FOR HOUSING	1,682,998	1,682,998
BASIC ALLOWANCE FOR SUBSISTENCE	176,042	176,042
INCENTIVE PAYS	167,340	167,340
SPECIAL PAYS	450,429	450,429
ALLOWANCES	104,074	104,074
SEPARATION PAY	39,298	39,298
SOCIAL SECURITY TAX	359,783	359,783
TOTAL, BUDGET ACTIVITY 1	9,416,984	9,416,984
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	10,756,652	10,756,652
RETIRED PAY ACCRUAL	3,751,728	3,751,728
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	129,326	129,326
BASIC ALLOWANCE FOR HOUSING	5,110,991	5,110,991
INCENTIVE PAYS	112,674	112,674
SPECIAL PAYS	1,072,415	1,072,415
ALLOWANCES	553,063	553,063
SEPARATION PAY	86,697	86,697
SOCIAL SECURITY TAX	822,884	822,884
TOTAL, BUDGET ACTIVITY 2	22,396,430	22,396,430
ACTIVITY 3: PAY AND ALLOWANCES OF MIDSHIPMEN		
MIDSHIPMEN	87,021	87,021
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	888,820	888,820
SUBSISTENCE-IN-KIND	438,551	438,551
FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	5	5
TOTAL, BUDGET ACTIVITY 4	1,327,376	1,327,376

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ACTIVITY 5: PERMANENT CHANGE OF STATION		
ACCESSION TRAVEL	108,471	108,471
TRAINING TRAVEL	88,092	88,092
OPERATIONAL TRAVEL	274,131	274,131
ROTATIONAL TRAVEL	323,056	323,056
SEPARATION TRAVEL	130,324	130,324
TRAVEL OF ORGANIZED UNITS	28,668	28,668
NON-TEMPORARY STORAGE	15,647	15,647
TEMPORARY LODGING EXPENSE	20,926	20,926
TOTAL, BUDGET ACTIVITY 5	989,315	989,315
ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS		
APPREHENSION OF MILITARY DESERTERS	43	43
INTEREST ON UNIFORMED SERVICES SAVINGS	1,277	1,277
DEATH GRATUITIES	24,800	24,800
UNEMPLOYMENT BENEFITS	16,202	16,202
EDUCATION BENEFITS	5,221	5,221
ADOPTION EXPENSES	194	194
TRANSPORTATION SUBSIDY	4,643	4,643
PARTIAL DISLOCATION ALLOWANCE	34	34
RESERVE OFFICERS TRAINING CORPS (ROTC)	22,896	22,896
JUNIOR ROTC	15,533	15,533
TOTAL, BUDGET ACTIVITY 6	90,843	90,843
LESS REIMBURSABLES	-415,600	-415,600
UNDISTRIBUTED ADJUSTMENT	---	-127,790
TOTAL, TITLE I, MILITARY PERSONNEL, NAVY	33,892,369	33,764,579
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,673,000	1,673,000
TOTAL, MILITARY PERSONNEL, NAVY	35,565,369	35,437,579

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-127,790**
Historical unobligated balances		-75,103
Revised budget estimate		-31,500
Rate adjustments		-29,267
Program increase only for USS FORT WORTH and USS CORONADO		8,080

MILITARY PERSONNEL, MARINE CORPS

The agreement provides $14,557,436,000 for Military Personnel, Marine Corps, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MILITARY PERSONNEL, MARINE CORPS		
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	1,777,306	1,777,306
RETIRED PAY ACCRUAL	619,614	619,614
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	37,597	37,597
BASIC ALLOWANCE FOR HOUSING	579,290	579,290
BASIC ALLOWANCE FOR SUBSISTENCE	68,427	68,427
INCENTIVE PAYS	52,065	52,065
SPECIAL PAYS	5,609	5,609
ALLOWANCES	38,083	38,083
SEPARATION PAY	21,991	21,991
SOCIAL SECURITY TAX	133,108	133,108
TOTAL, BUDGET ACTIVITY 1	3,333,090	3,333,090
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	5,479,139	5,479,139
RETIRED PAY ACCRUAL	1,908,158	1,908,158
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	147,368	147,368
BASIC ALLOWANCE FOR HOUSING	1,711,770	1,711,770
INCENTIVE PAYS	8,354	8,354
SPECIAL PAYS	200,417	200,417
ALLOWANCES	293,563	293,563
SEPARATION PAY	93,052	93,052
SOCIAL SECURITY TAX	418,564	418,564
TOTAL, BUDGET ACTIVITY 2	10,260,385	10,260,385
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	422,455	422,455
SUBSISTENCE-IN-KIND	383,725	383,725
FAMILY SUBSISTENCE SUPPLEMENTAL ALLOWANCE	10	10
TOTAL, BUDGET ACTIVITY 4	806,190	806,190
ACTIVITY 5: PERMANENT CHANGE OF STATION		
ACCESSION TRAVEL	50,440	50,440
TRAINING TRAVEL	14,824	14,824

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
OPERATIONAL TRAVEL	156,014	156,014
ROTATIONAL TRAVEL	119,306	119,306
SEPARATION TRAVEL	83,046	83,046
TRAVEL OF ORGANIZED UNITS	632	632
NON-TEMPORARY STORAGE	7,191	7,191
TEMPORARY LODGING EXPENSE	5,172	5,172
TOTAL, BUDGET ACTIVITY 5	436,625	436,625
ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS		
APPREHENSION OF MILITARY DESERTERS	278	278
INTEREST ON UNIFORMED SERVICES SAVINGS	19	19
DEATH GRATUITIES	13,500	13,500
UNEMPLOYMENT BENEFITS	8,324	8,324
EDUCATION BENEFITS	142	142
ADOPTION EXPENSES	140	140
TRANSPORTATION SUBSIDY	1,568	1,568
PARTIAL DISLOCATION ALLOWANCE	22	22
SGLI EXTRA HAZARD PAYMENTS	2,134	2,134
JUNIOR ROTC	3,928	3,928
TOTAL, BUDGET ACTIVITY 6	30,055	30,055
LESS REIMBURSABLES	-25,474	-25,474
UNDISTRIBUTED ADJUSTMENT	---	-283,435
TOTAL, TITLE I, MILITARY PERSONNEL, MARINE CORPS	14,840,871	14,557,436
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	905,000	905,000
TOTAL, MILITARY PERSONNEL, MARINE CORPS	15,745,871	15,462,436

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-283,435**
Historical unobligated balances		-32,910
Revised budget estimate		-233,407
Rate adjustments		-17,118

MILITARY PERSONNEL, AIR FORCE

The agreement provides $32,784,171,000 for Military Personnel, Air Force, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MILITARY PERSONNEL, AIR FORCE		
ACTIVITY 1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	5,641,144	5,641,144
RETIRED PAY ACCRUAL	1,956,196	1,956,196
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	87,627	87,627
BASIC ALLOWANCE FOR HOUSING	1,661,550	1,661,550
BASIC ALLOWANCE FOR SUBSISTENCE	208,359	208,359
INCENTIVE PAYS	379,467	379,467
SPECIAL PAYS	344,723	344,723
ALLOWANCES	122,425	122,425
SEPARATION PAY	37,166	37,166
SOCIAL SECURITY TAX	430,816	430,816
TOTAL, BUDGET ACTIVITY 1	10,869,473	10,869,473
ACTIVITY 2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	10,225,543	10,225,543
RETIRED PAY ACCRUAL	3,557,876	3,557,876
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	99,527	99,527
BASIC ALLOWANCE FOR HOUSING	4,106,580	4,106,580
INCENTIVE PAYS	64,585	64,585
SPECIAL PAYS	374,755	374,755
ALLOWANCES	591,495	591,495
SEPARATION PAY	109,441	109,441
SOCIAL SECURITY TAX	782,254	782,254
TOTAL, BUDGET ACTIVITY 2	19,912,056	19,912,056
ACTIVITY 3: PAY AND ALLOWANCES OF CADETS		
ACADEMY CADETS	85,426	85,426
ACTIVITY 4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	1,058,397	1,058,397
SUBSISTENCE-IN-KIND	150,966	150,966
TOTAL, BUDGET ACTIVITY 4	1,209,363	1,209,363

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ACTIVITY 5: PERMANENT CHANGE OF STATION		
ACCESSION TRAVEL	91,776	91,776
TRAINING TRAVEL	59,686	59,686
OPERATIONAL TRAVEL	364,544	364,544
ROTATIONAL TRAVEL	467,081	467,081
SEPARATION TRAVEL	131,612	131,612
TRAVEL OF ORGANIZED UNITS	3,430	3,430
NON-TEMPORARY STORAGE	26,026	26,026
TEMPORARY LODGING EXPENSE	34,893	34,893
TOTAL, BUDGET ACTIVITY 5	1,179,048	1,179,048
ACTIVITY 6: OTHER MILITARY PERSONNEL COSTS		
APPREHENSION OF MILITARY DESERTERS	18	18
INTEREST ON UNIFORMED SERVICES SAVINGS	2,333	2,333
DEATH GRATUITIES	14,900	14,900
UNEMPLOYMENT BENEFITS	5,515	5,515
EDUCATION BENEFITS	13	13
ADOPTION EXPENSES	416	416
TRANSPORTATION SUBSIDY	3,164	3,164
PARTIAL DISLOCATION ALLOWANCE	629	629
RESERVE OFFICERS TRAINING CORPS (ROTC)	44,236	44,236
JUNIOR ROTC	18,451	18,451
TOTAL, BUDGET ACTIVITY 6	89,675	89,675
LESS REIMBURSABLES	-443,371	-443,371
UNDISTRIBUTED ADJUSTMENT	---	-117,499
TOTAL, TITLE I, MILITARY PERSONNEL, AIR FORCE	32,901,670	32,784,171
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	1,623,000	1,623,000
TOTAL, MILITARY PERSONNEL, AIR FORCE	34,524,670	34,407,171

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-117,499**
Historical unobligated balances		-31,770
Revised budget estimate		-57,750
Rate adjustments		-27,979

RESERVE PERSONNEL, ARMY

The agreement provides $5,037,119,000 for Reserve Personnel, Army, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RESERVE PERSONNEL, ARMY		
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	1,619,895	1,619,895
PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	59,136	59,136
PAY GROUP F TRAINING (RECRUITS)	194,730	194,730
PAY GROUP P TRAINING (PIPELINE RECRUITS)	4,357	4,357
MOBILIZATION TRAINING	2,555	2,555
SCHOOL TRAINING	233,785	233,785
SPECIAL TRAINING	373,900	373,900
ADMINISTRATION AND SUPPORT	2,475,281	2,475,281
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	17,354	17,354
EDUCATION BENEFITS	22,263	22,263
HEALTH PROFESSION SCHOLARSHIP	64,468	64,468
OTHER PROGRAMS	39,232	39,232
TOTAL, BUDGET ACTIVITY 1	5,106,956	5,106,956
UNDISTRIBUTED ADJUSTMENT	---	-69,837
TOTAL, TITLE I, RESERVE PERSONNEL, ARMY	5,106,956	5,037,119
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	418,000	418,000
TOTAL, RESERVE PERSONNEL, ARMY	5,524,956	5,455,119

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-69,837**
Historical unobligated balances		-30,832
Revised budget estimate		-37,600
Rate adjustments		-1,405

RESERVE PERSONNEL, NAVY

The agreement provides $2,200,600,000 for Reserve Personnel, Navy, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RESERVE PERSONNEL, NAVY		
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	757,736	757,736
PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY).....	8,602	8,602
PAY GROUP F TRAINING (RECRUITS).....	51,337	51,337
MOBILIZATION TRAINING.....	13,019	13,019
SCHOOL TRAINING.....	62,049	62,049
SPECIAL TRAINING.....	135,042	135,042
ADMINISTRATION AND SUPPORT.....	1,145,197	1,145,197
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	8,974	8,974
EDUCATION BENEFITS.....	679	679
HEALTH PROFESSION SCHOLARSHIP.....	58,075	58,075
TOTAL, BUDGET ACTIVITY 1.....	2,240,710	2,240,710
UNDISTRIBUTED ADJUSTMENT.....	---	-40,110
TOTAL, TITLE I, RESERVE PERSONNEL, NAVY.....	2,240,710	2,200,600
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	146,000	146,000
TOTAL, RESERVE PERSONNEL, NAVY.....	2,386,710	2,346,600

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-40,110**
Historical unobligated balances		-7,172
Revised budget estimate		-31,000
Rate adjustments		-1,938

RESERVE PERSONNEL, MARINE CORPS

The agreement provides $843,564,000 for Reserve Personnel, Marine Corps, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RESERVE PERSONNEL, MARINE CORPS		
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	299,914	299,914
PAY GROUP B TRAINING (BACKFILL FOR ACT DUTY)	46,242	46,242
PAY GROUP F TRAINING (RECRUITS)	136,283	136,283
MOBILIZATION TRAINING	1,706	1,706
SCHOOL TRAINING	25,154	25,154
SPECIAL TRAINING	56,584	56,584
ADMINISTRATION AND SUPPORT	284,433	284,433
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	5,969	5,969
PLATOON LEADER CLASS	7,601	7,601
EDUCATION BENEFITS	4,808	4,808
TOTAL, BUDGET ACTIVITY 1	868,694	868,694
UNDISTRIBUTED ADJUSTMENT	---	-25,130
TOTAL, TITLE I, RESERVE PERSONNEL, MARINE CORPS	868,694	843,564
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	82,000	82,000
TOTAL, RESERVE PERSONNEL, MARINE CORPS	950,694	925,564

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-25,130**
Historical unobligated balances		-6,805
Revised budget estimate		-17,500
Rate adjustments		-825

RESERVE PERSONNEL, AIR FORCE

The agreement provides $2,193,493,000 for Reserve Personnel, Air Force, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RESERVE PERSONNEL, AIR FORCE		
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	718,645	718,645
PAY GROUP B TRAINING (BACKFILL FOR ACTIVE DUTY)	106,715	106,715
PAY GROUP F TRAINING (RECRUITS)	51,699	51,699
PAY GROUP P TRAINING (PIPELINE RECRUITS)	2,412	2,412
MOBILIZATION TRAINING	587	587
SCHOOL TRAINING	196,375	196,375
SPECIAL TRAINING	356,044	356,044
ADMINISTRATION AND SUPPORT	689,523	689,523
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	5,406	5,406
EDUCATION BENEFITS	12,780	12,780
HEALTH PROFESSION SCHOLARSHIP	64,599	64,599
OTHER PROGRAMS (ADMIN & SUPPORT)	3,038	3,038
TOTAL, BUDGET ACTIVITY 1	2,207,823	2,207,823
UNDISTRIBUTED ADJUSTMENT	---	-14,330
TOTAL, TITLE I, RESERVE PERSONNEL, AIR FORCE	2,207,823	2,193,493
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	150,000	150,000
TOTAL, RESERVE PERSONNEL, AIR FORCE	2,357,823	2,343,493

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
UNDISTRIBUTED ADJUSTMENTS		**-14,330**
Historical unobligated balances		-10,755
Revised budget estimate		-2,750
Rate adjustments		-825

NATIONAL GUARD PERSONNEL, ARMY

The agreement provides $8,663,999,000 for National Guard Personnel, Army, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
NATIONAL GUARD PERSONNEL, ARMY		
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48)	2,711,190	2,711,190
PAY GROUP F TRAINING (RECRUITS)	549,848	549,848
PAY GROUP P TRAINING (PIPELINE RECRUITS)	45,649	45,649
SCHOOL TRAINING	575,633	575,633
SPECIAL TRAINING	817,826	838,826
ADMINISTRATION AND SUPPORT	4,052,288	4,052,288
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS	29,324	29,324
EDUCATION BENEFITS	48,353	48,353
TOTAL, BUDGET ACTIVITY 1	8,830,111	8,851,111
UNDISTRIBUTED ADJUSTMENT	---	-188,646
TRAUMA TRAINING	---	1,534
TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, ARMY	8,830,111	8,663,999
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375)	744,000	744,000
TOTAL, NATIONAL GUARD PERSONNEL, ARMY	9,574,111	9,407,999

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
SPECIAL TRAINING	**817,826**	**838,826**
Program increase - State Partnership Program		13,500
Program increase - critical cybersecurity skillsets		1,000
Program increase - wildfire training		6,500
UNDISTRIBUTED ADJUSTMENTS		**-188,646**
Historical unobligated balances		-101,745
Revised budget estimate		-83,250
Rate adjustments		-3,651
TRAUMA TRAINING		**1,534**

NATIONAL GUARD PERSONNEL, AIR FORCE

The agreement provides $4,530,091,000 for National Guard Personnel, Air Force, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
NATIONAL GUARD PERSONNEL, AIR FORCE		
ACTIVITY 1: RESERVE COMPONENT TRAINING AND SUPPORT		
PAY GROUP A TRAINING (15 DAYS & DRILLS 24/48).....	949,382	949,382
PAY GROUP F TRAINING (RECRUITS).....	97,078	97,078
PAY GROUP P TRAINING (PIPELINE RECRUITS).....	7,829	7,829
SCHOOL TRAINING.....	361,527	361,527
SPECIAL TRAINING.....	245,500	254,892
ADMINISTRATION AND SUPPORT.....	2,857,955	2,857,955
THRIFT SAVINGS PLAN MATCHING CONTRIBUTIONS.....	14,675	14,675
EDUCATION BENEFITS.....	13,141	13,141
TOTAL, BUDGET ACTIVITY 1.....	4,547,087	4,556,479
UNDISTRIBUTED ADJUSTMENT.....	---	-28,630
TRAUMA TRAINING.....	---	2,242
TOTAL, TITLE I, NATIONAL GUARD PERSONNEL, AIR FORCE.	4,547,087	4,530,091
TOTAL, TRICARE ACCRUAL PAYMENTS (PERMANENT, INDEFINITE AUTHORITY)(PUBLIC LAW 108-375).....	279,000	279,000
TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE.....	4,826,087	4,809,091

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
SPECIAL TRAINING	**245,500**	**254,892**
Program increase - State Partnership Program		4,677
Program increase - critical skillsets crosstraining		2,000
Program increase - wildfire training		2,715
UNDISTRIBUTED ADJUSTMENTS		**-28,630**
Historical unobligated balances		-4,005
Revised budget estimate		-24,625
TRAUMA TRAINING		**2,242**

TITLE II—OPERATION AND MAINTENANCE

The agreement provides $192,213,468,000 in Title II, Operation and Maintenance, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RECAPITULATION		
OPERATION & MAINTENANCE, ARMY	40,312,968	38,418,982
OPERATION & MAINTENANCE, NAVY	49,692,742	47,632,527
OPERATION & MAINTENANCE, MARINE CORPS	7,328,607	7,286,184
OPERATION & MAINTENANCE, AIR FORCE	34,750,597	33,528,409
OPERATION & MAINTENANCE, SPACE FORCE	2,531,294	2,492,114
OPERATION & MAINTENANCE, DEFENSE-WIDE	38,649,079	39,048,990
OPERATION & MAINTENANCE, ARMY RESERVE	2,934,717	2,887,898
OPERATION & MAINTENANCE, NAVY RESERVE	1,127,046	1,115,150
OPERATION & MAINTENANCE, MARINE CORPS RESERVE	284,656	283,494
OPERATION & MAINTENANCE, AIR FORCE RESERVE	3,350,284	3,268,461
OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	7,420,014	7,350,837
OPERATION & MAINTENANCE, AIR NATIONAL GUARD	6,753,642	6,785,853
UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES	15,211	15,211
ENVIRONMENTAL RESTORATION, ARMY	207,518	264,285
ENVIRONMENTAL RESTORATION, NAVY	335,932	421,250
ENVIRONMENTAL RESTORATION, AIR FORCE	303,926	509,250
ENVIRONMENTAL RESTORATION, DEFENSE-WIDE	9,105	19,952
ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES	216,587	288,750
OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID	109,900	147,500
COOPERATIVE THREAT REDUCTION ACCOUNT	238,490	360,190
DOD ACQUISITION WORKFORCE DEVELOPMENT FUND	58,181	88,181
GRAND TOTAL, OPERATION & MAINTENANCE	196,630,496	192,213,468

REPROGRAMMING GUIDANCE FOR OPERATION AND MAINTENANCE ACCOUNTS

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING)

The Secretary of Defense is directed to submit the Base for Reprogramming (DD Form 1414) for each of the fiscal year 2021 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 Defense Appropriations Subcommittees.

The Secretary of Defense is directed 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 sub-activity groups in the case of Operation and Maintenance, Defense-Wide, in excess of $10,000,000. In addition, the Secretary of Defense shall follow prior approval reprogramming procedures for transfers in excess of $10,000,000 out of the following readiness sub-activity groups:

Army:
Maneuver units
Modular support brigades
Land forces operations support
Aviation assets
Force readiness operations support
Land forces depot maintenance
Base operations support
Facilities sustainment, restoration, and modernization
Specialized skill training
Navy:
Mission and other flight operations
Fleet air training
Aircraft depot maintenance
Mission and other ship operations
Ship depot maintenance
Facilities sustainment, restoration, and modernization
Marine Corps:
Operational forces
Field logistics
Depot maintenance
Facilities sustainment, restoration, and modernization
Air Force:
Primary combat forces
Combat enhancement forces
Depot purchase equipment maintenance
Facilities sustainment, restoration, and modernization
Contractor logistics support and system support
Flying hour program
Air Force Reserve:
Primary combat forces
Air National Guard:
Aircraft operations

Additionally, the Secretary of Defense is directed to use normal prior approval reprogramming procedures when implementing transfers in excess of $10,000,000 into the following budget sub-activities:

Operation and Maintenance, Army:
Recruiting and advertising
Operation and Maintenance, Army National Guard:
Other personnel support/recruiting and advertising

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 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 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 BUDGET EXECUTION DATA

The Secretary of Defense is directed 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.

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE

The fiscal year 2021 President's budget request proposes to transfer $140,320,000 from the Department of Defense Acquisition Workforce Development Account (DAWDA) to the Services' operation and maintenance accounts for the acquisition workforce. This transfer is supported as requested, and details are displayed in the table below. The funding in the table is designated as a congressional special interest item for the purpose of Base for Reprogramming. It is directed that the Under Secretary of Defense (Comptroller) and the Service Secretaries shall use normal prior approval reprogramming procedures prior to obligating or expending these funds for any purpose other than the acquisition workforce.

Operation and Maintenance, Army	$37,640,000
Operation and Maintenance, Navy	60,620,000
Operation and Maintenance, Air Force	42,060,000
Total	140,320,000

While the fiscal year 2021 Service budget justification materials show the transfer of funds from the DAWDA, it is noted that these funds are encompassed within large funding lines, which limits visibility and insight into, and execution of, requested funding specifically for the acquisition workforce. Therefore, with submission of the fiscal year 2022 President's budget request, the respective Service acquisition executives are directed to provide a report to the congressional defense committees identifying their respective acquisition workforce requirements in support of the acquisition programs included in the fiscal year 2022 future years defense program. Further, the respective Service financial managers and comptroller of the Army, Navy, and Air Force are directed to certify, with submission of the fiscal year 2022 President's budget request, to the congressional defense committees, that these acquisition workforce requirements are fully funded in the fiscal year 2022 President's budget request.

The Under Secretary of Defense (Comptroller), in coordination with the respective Service acquisition executives and financial managers and comptroller, is directed, beginning with the fiscal year 2023 President's budget request, to establish unique defense acquisition workforce sub-activity groups for each operation and maintenance account that contains such funding. Further, the Under Secretary of Defense (Comptroller), in coordination with the respective Service acquisition executives and financial managers and comptroller, is directed to work with the House and Senate Appropriations Committees to develop performance criteria metrics to be included in the OP–5 budget exhibit for the new sub-activity group in order to increase visibility and clarity into funding for the defense acquisition workforce.

REPROGRAMMING GUIDANCE FOR SPECIAL OPERATIONS COMMAND

The agreement directs the Secretary of Defense to submit a baseline report that shows the Special Operations Command's operation and maintenance funding by sub-activity group for the fiscal year 2021 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 and the movement of any base funds used to support overseas contingency operations. Finally, the Secretary of Defense is directed to notify the congressional defense committees 30 days prior to the realignment of funds in excess of $10,000,000 between sub-activity groups.

DEPARTMENT OF DEFENSE AUDIT

The Under Secretary of Defense (Comptroller), in coordination with the respective Service Financial Manager and Comptroller, is directed to develop a budget exhibit, for submission with the fiscal year 2022 President's budget request, detailing the costs of the Department of Defense audit. The exhibit shall include three separate budget tables; one showing costs for Audit Services, one for Audit Support, and one for Remediation, which includes remediating audit findings related to financial systems. Each table shall include the following elements:

(1) Appropriation
(2) Budget line item number/sub-activity group
(3) Budget line item title
(4) Prior year dollars in thousands (showing actuals)
(5) Current year dollars in thousands
(6) Budget year dollars in thousands
(7) Description, which shall define what the funds in each line item purchase
(8) Explanation of change, which shall explain any significant changes between the current year projection and the budget request.

SPARE PARTS STOCK

The Service Secretaries and the Director of the Defense Logistics Agency are directed to conduct analysis on spare parts requirements to determine the spares levels necessary to enable the armed forces to fulfill the strategic and contingency plans in accordance with the National Defense Strategy.

OPERATION AND MAINTENANCE BUDGET JUSTIFICATION

The agreement recommends two changes to the budget justification documents to further inform the congressional review. First, the Secretary of the Air Force shall include the average FTE cost (annual average salary) in the Personnel Summary section of the OP–5 exhibit for each sub-activity group. This direction applies to all Air Force components. Second, for the Operation and Maintenance, Defense-Wide appropriation, the Secretary of Defense shall submit a separate OP–5 and OP–32 exhibit for each line that is requested on the O–1 breakout of Operation and Maintenance Programs.

PER- AND POLYFLUOROALKYL SUBSTANCES CLEANUP COST REPORTING

The agreement adopts the reporting requirements contained under the heading ''Per- and Polyfluoroalkyl Substances Cleanup Cost Reporting'' in House Report 116–453 but changes the reporting requirement frequency from quarterly to semi-annually.

DRINKING WATER CONTAMINATION

The Director of the Department of Defense PFAS Task Force is directed to brief the House and Senate Appropriations Committees not later than 180 days after the enactment of this Act on research efforts regarding aqueous film forming foam replacement solutions and alternatives, to include cost implications and the testing of products to ensure they meet military standards.

STANDARDS AND PROTOCOLS ON COUNTERING CYBERSECURITY INCIDENTS

The agreement adopts the reporting requirements contained under the heading ''Standards and Protocols on Countering Cybersecurity Incidents'' in House Report 116–453 but designates the Secretary of Defense to the consulting role as opposed to the lead for this deliverable.

COLLECTIVE BARGAINING

There are concerns with a January 29, 2020, Presidential memorandum delegating to the Secretary of Defense the President's longstanding authority to exclude Department of Defense agencies and subdivisions from being covered under the Federal Service Labor-Management Relations Statute pursuant to 5 U.S.C. Section 7103(b)(1) or (2) of title 5, which outlines collective bargaining rights for Federal employees. Acknowledging the risks associated with broadly exempting agencies or subdivisions that have been operating successfully without the exemption, Secretary of Defense is expected to continue to apply rigorous internal processes requiring Department of Defense components to submit significant documentation to support any request to exclude its agencies or subdivisions from collective bargaining.

FEDERAL LAW ENFORCEMENT

The agreement notes that the explanatory statement accompanying the Commerce, Justice, Science, and Related Agencies Appropriations Act, 2021 directs the Attorney General to ensure implementation of evidence-based training programs on de-escalation and the use-of-force, as well as on police-community relations, that are broadly applicable and scalable to all Federal law enforcement agencies. The agreement further notes that several agencies funded by this Act employ Federal law enforcement officers and are Federal Law Enforcement Training Centers partner organizations. The agreement directs such agencies to consult with the Attorney General regarding the implementation of these programs for their law enforcement officers. The agreement further directs such agencies to brief the Committees on Appropriations on their efforts relating to such implementation no later than 90 days after consultation with the Attorney General. In addition, the agreement directs such agencies, to the extent that they are not already participating, to consult with the Attorney General and the Director of the FBI regarding participation in the National Use-of-Force Data Collection. The agreement further directs such agencies to brief the Committees on Appropriations, no later than 90 days after enactment of this Act, on their current efforts to so participate.

OPERATION AND MAINTENANCE, ARMY

The agreement provides $38,418,982,000 for Operation and Maintenance, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, ARMY		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	LAND FORCES		
20	MODULAR SUPPORT BRIGADES	159,834	137,834
30	ECHELONS ABOVE BRIGADES	663,751	660,951
40	THEATER LEVEL ASSETS	956,477	926,477
50	LAND FORCES OPERATIONS SUPPORT	1,157,635	1,157,635
60	AVIATION ASSETS	1,453,024	1,306,024
	LAND FORCES READINESS		
70	FORCE READINESS OPERATIONS SUPPORT	4,713,660	3,651,660
80	LAND FORCES SYSTEMS READINESS	404,161	394,161
90	LAND FORCES DEPOT MAINTENANCE	1,413,359	1,371,359
	LAND FORCES READINESS SUPPORT		
100	BASE OPERATIONS SUPPORT	8,220,093	8,241,093
110	FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	3,581,071	3,582,071
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	411,844	411,844
	COMBATANT COMMAND SUPPORT		
160	US AFRICA COMMAND	239,387	278,137
170	US EUROPEAN COMMAND	160,761	159,011
180	US SOUTHERN COMMAND	197,826	198,076
190	US FORCES KOREA	65,152	65,152
200	CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS	430,109	425,309
210	CYBER SPACE ACTIVITIES - CYBERSECURITY	464,117	464,117
	TOTAL, BUDGET ACTIVITY 1	24,692,261	23,430,911
	BUDGET ACTIVITY 2: MOBILIZATION		
	MOBILITY OPERATIONS		
220	STRATEGIC MOBILITY	402,236	402,236
230	ARMY PREPOSITIONED STOCKS	324,306	324,306
240	INDUSTRIAL PREPAREDNESS	3,653	3,653
	TOTAL, BUDGET ACTIVITY 2	730,195	730,195
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
	ACCESSION TRAINING		
250	OFFICER ACQUISITION	165,142	165,142
260	RECRUIT TRAINING	76,509	73,509

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
270	ONE STATION UNIT TRAINING	88,523	75,523
280	SENIOR RESERVE OFFICERS TRAINING CORPS	535,578	537,078
	BASIC SKILL AND ADVANCED TRAINING		
290	SPECIALIZED SKILL TRAINING	981,436	974,436
300	FLIGHT TRAINING	1,204,768	1,204,768
310	PROFESSIONAL DEVELOPMENT EDUCATION	215,195	215,195
320	TRAINING SUPPORT	575,232	575,232
	RECRUITING AND OTHER TRAINING AND EDUCATION		
330	RECRUITING AND ADVERTISING	722,612	719,612
340	EXAMINING	185,522	185,522
350	OFF-DUTY AND VOLUNTARY EDUCATION	221,503	221,503
360	CIVILIAN EDUCATION AND TRAINING	154,651	152,151
370	JUNIOR RESERVE OFFICERS TRAINING CORPS	173,286	185,486
	TOTAL, BUDGET ACTIVITY 3	5,299,957	5,285,157
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	LOGISTICS OPERATIONS		
390	SERVICEWIDE TRANSPORTATION	491,926	491,926
400	CENTRAL SUPPLY ACTIVITIES	812,613	812,613
410	LOGISTICS SUPPORT ACTIVITIES	676,178	673,178
420	AMMUNITION MANAGEMENT	437,774	437,774
	SERVICEWIDE SUPPORT		
430	ADMINISTRATION	438,048	438,048
440	SERVICEWIDE COMMUNICATIONS	1,638,872	1,548,872
450	MANPOWER MANAGEMENT	300,046	295,046
460	OTHER PERSONNEL SUPPORT	701,103	701,103
470	OTHER SERVICE SUPPORT	1,887,133	1,879,833
480	ARMY CLAIMS ACTIVITIES	195,291	195,291
490	REAL ESTATE MANAGEMENT	229,537	231,037
500	FINANCIAL MANAGEMENT AND AUDIT READINESS	306,370	306,370
510	INTERNATIONAL MILITARY HEADQUARTERS	373,030	373,030
520	MISC. SUPPORT OF OTHER NATIONS	32,719	32,719

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
OTHER PROGRAMS		
OTHER PROGRAMS	1,069,915	1,079,115
TOTAL, BUDGET ACTIVITY 4	9,590,555	9,495,955
HISTORICAL UNOBLIGATION	---	-50,000
P.L. 115-68 IMPLEMENTATION	---	250
OVERESTIMATION OF CIVILIAN FTE TARGETS	---	-125,000
PROJECTED CARRYOVER ADJUSTMENT	---	-20,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-330,486
DOD EXCEPTIONAL FAMILY	---	2,000
TOTAL, OPERATION AND MAINTENANCE, ARMY	40,312,968	38,418,982

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
112 MODULAR SUPPORT BRIGADES	**159,834**	**137,834**
Reduce program growth - Dynamic Force Employment		-22,000
113 ECHELONS ABOVE BRIGADES	**663,751**	**660,951**
Reduce program growth - Dynamic Force Employment		-2,800
114 THEATER LEVEL ASSETS	**956,477**	**926,477**
Unjustified growth		-30,000
116 AVIATION ASSETS	**1,453,024**	**1,306,024**
Reduce program growth - Dynamic Force Employment		-64,000
Unjustified growth		-83,000
121 FORCE READINESS OPERATIONS SUPPORT	**4,713,660**	**3,651,660**
Unjustified growth		-100,000
Transfer to MP,A line 13		-10,000
Program increase - ultra lightweight camouflage net systems		20,000
Program increase - cold weather clothing		3,000
Program decrease unaccounted for		-20,000
Program increase - Pacific Deterrence Initiative exercises in support of INDOPACOM MDTF #1		45,000
Transfer to title IX		-1,000,000
122 LAND FORCES SYSTEMS READINESS	**404,161**	**394,161**
Excess personnel growth - Army Futures Command		-6,000
Unjustified growth		-4,000
123 LAND FORCES DEPOT MAINTENANCE	**1,413,359**	**1,371,359**
Unjustified growth		-42,000
131 BASE OPERATIONS SUPPORT	**8,220,093**	**8,241,093**
Excess growth		-69,000
Program increase - childcare		90,000
132 FACILITIES SUSTAINMENT, RESTORATION, & MODERNIZATION	**3,581,071**	**3,582,071**
Program increase - security cameras		1,000
141 US AFRICA COMMAND	**239,387**	**278,137**
Program increase - personnel recovery and casualty evacuation		36,000
Program increase - implementation of P.L. 115-68		250
Program increase - force protection upgrades - personnel recovery and casualty evacuation		2,500
142 US EUROPEAN COMMAND	**160,761**	**159,011**
Program increase - implementation of P.L. 115-68		250
Unjustified growth		-2,000

O-1	Budget Request	Final Bill
143 US SOUTHERN COMMAND	**197,826**	**198,076**
Program increase - implementation of P.L. 115-68		250
151 CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS	**430,109**	**425,309**
Program transfer unaccounted for		-4,800
312 RECRUIT TRAINING	**76,509**	**73,509**
Unjustified growth		-3,000
313 ONE STATION UNIT TRAINING	**88,523**	**75,523**
Unjustified growth		-10,000
Excess personnel growth		-3,000
314 SENIOR RESERVE OFFICERS TRAINING CORPS	**535,578**	**537,078**
Program increase - ROTC helicopter training program		1,500
321 SPECIALIZED SKILL TRAINING	**981,436**	**974,436**
Excess personnel growth		-7,000
331 RECRUITING AND ADVERTISING	**722,612**	**719,612**
Unjustified growth		-3,000
334 CIVILIAN EDUCATION AND TRAINING	**154,651**	**152,151**
Excess personnel growth		-2,500
335 JUNIOR RESERVE OFFICERS TRAINING CORPS	**173,286**	**185,486**
Program increase		9,200
Program increase - JROTC STEM training and education		3,000
423 LOGISTICS SUPPORT ACTIVITIES	**676,178**	**673,178**
Unjustified personnel growth		-3,000
432 SERVICEWIDE COMMUNICATIONS	**1,638,872**	**1,548,872**
Unjustified growth		-90,000
433 MANPOWER MANAGEMENT	**300,046**	**295,046**
Unjustified growth		-5,000
435 OTHER SERVICE SUPPORT	**1,887,133**	**1,879,833**
Program increase - Capitol Fourth		1,700
Program increase - Women in Military Service Museum		3,000
Unjustified growth		-12,000
437 REAL ESTATE MANAGEMENT	**229,537**	**231,037**
Program increase - real estate inventory tool		1,500
411 OTHER PROGRAMS	**1,069,915**	**1,079,115**
Program increase		700
Program increase - ISR SOUTHCOM overland airborne ISR operations		8,500

O-1	Budget Request	Final Bill
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-330,486
HISTORICAL UNOBLIGATION		-50,000
P.L. 115-68 IMPLEMENTATION		250
PROJECTED CARRYOVER ADJUSTMENT		-20,000
OVERESTIMATION OF CIVILIAN FTE TARGETS		-125,000
PROGRAM INCREASE - DOD EXCEPTIONAL FAMILY		2,000

DYNAMIC FORCE EMPLOYMENT

The agreement provides a total of $250,000,000 in Operation and Maintenance, Army for Dynamic Force Employment and designates the funding a congressional special interest item. The Secretary of Defense is directed to submit a quarterly report on the use of the Dynamic Force Employment funds for any and all activities or exercises for which funds are utilized in fiscal year 2021. The reports shall include, but not be limited to, the following elements for each exercise: title, date, location, which Services and units participated (with an estimated number of participants), total cost by budget line item (with a breakdown by cost element such as transportation and repair parts), and a short explanation of the objective. The reports shall be submitted to the congressional defense committees not later than 30 days after the close of each quarter of the fiscal year.

PILOT PROGRAM FOR ONLINE REAL ESTATE INVENTORY TOOLS

The agreement recommends an additional $1,500,000 which the Secretary of the Army shall use for a pilot program to pursue the use of information technology tools to better market space available and more quickly determine which real estate should be divested to further achieve efficiencies within the United States Army Installation Management Command. The Secretary of the Army is directed to provide a report to the House and Senate Appropriations Committees not later than May 1, 2021, that includes a list of installations selected for the pilot program, an outline for the deployment of this capability to the selected installations, and a cost estimate to expand the tool to all Army installations.

OPERATION AND MAINTENANCE, NAVY

The agreement provides $47,632,527,000 for Operation and Maintenance, Navy, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, NAVY		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	AIR OPERATIONS		
10	MISSION AND OTHER FLIGHT OPERATIONS	5,738,746	5,638,746
20	FLEET AIR TRAINING	2,213,673	2,189,173
30	AVIATION TECHNICAL DATA AND ENGINEERING SERVICES	57,144	57,144
40	AIR OPERATIONS AND SAFETY SUPPORT	171,949	170,828
50	AIR SYSTEMS SUPPORT	838,767	833,767
60	AIRCRAFT DEPOT MAINTENANCE	1,459,447	1,452,447
70	AIRCRAFT DEPOT OPERATIONS SUPPORT	57,789	57,789
80	AVIATION LOGISTICS	1,264,665	1,246,665
	SHIP OPERATIONS		
100	SHIP OPERATIONS SUPPORT AND TRAINING	1,117,067	1,092,067
110	SHIP DEPOT MAINTENANCE	7,859,104	6,809,241
120	SHIP DEPOT OPERATIONS SUPPORT	2,262,196	2,264,796
	COMBAT COMMUNICATIONS/SUPPORT		
130	COMBAT COMMUNICATIONS	1,521,360	1,498,360
150	SPACE SYSTEMS AND SURVEILLANCE	274,087	274,087
160	WARFARE TACTICS	741,609	744,109
170	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	401,382	401,382
180	COMBAT SUPPORT FORCES	1,546,273	1,511,273
190	EQUIPMENT MAINTENANCE	177,951	177,951
210	COMBATANT COMMANDERS CORE OPERATIONS	61,484	66,584
220	COMBATANT COMMANDERS DIRECT MISSION SUPPORT	102,330	112,630
230	MILITARY INFORMATION SUPPORT OPERATIONS	8,810	8,810
240	CYBERSPACE ACTIVITIES	567,496	567,496
	WEAPONS SUPPORT		
260	FLEET BALLISTIC MISSILE	1,428,102	1,428,102
280	WEAPONS MAINTENANCE	995,762	958,487
290	OTHER WEAPON SYSTEMS SUPPORT	524,008	524,008
	BASE SUPPORT		
300	ENTERPRISE INFORMATION TECHNOLOGY	1,229,056	1,207,056
310	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	3,453,099	3,484,031

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
320	BASE OPERATING SUPPORT	4,627,966	4,533,062
	TOTAL, BUDGET ACTIVITY 1	40,701,322	39,310,091
	BUDGET ACTIVITY 2: MOBILIZATION		
	READY RESERVE AND PREPOSITIONING FORCES		
330	SHIP PREPOSITIONING AND SURGE	849,993	834,993
340	READY RESERVE FORCE	436,029	376,029
	ACTIVATIONS/INACTIVATIONS		
360	SHIP ACTIVATIONS/INACTIVATIONS	286,416	260,424
	MOBILIZATION PREPAREDNESS		
370	FLEET HOSPITAL PROGRAM	99,402	99,402
390	COAST GUARD SUPPORT	25,235	25,235
	TOTAL, BUDGET ACTIVITY 2	1,697,075	1,596,083
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
	ACCESSION TRAINING		
400	OFFICER ACQUISITION	186,117	176,117
410	RECRUIT TRAINING	13,206	13,206
420	RESERVE OFFICERS TRAINING CORPS	163,683	163,683
	BASIC SKILLS AND ADVANCED TRAINING		
430	SPECIALIZED SKILL TRAINING	947,841	937,841
450	PROFESSIONAL DEVELOPMENT EDUCATION	367,647	347,647
460	TRAINING SUPPORT	254,928	254,928
	RECRUITING, AND OTHER TRAINING AND EDUCATION		
470	RECRUITING AND ADVERTISING	206,305	210,605
480	OFF-DUTY AND VOLUNTARY EDUCATION	103,799	103,799
490	CIVILIAN EDUCATION AND TRAINING	66,060	66,060
500	JUNIOR ROTC	56,276	62,776
	TOTAL, BUDGET ACTIVITY 3	2,365,862	2,336,662
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	SERVICEWIDE SUPPORT		
510	ADMINISTRATION	1,249,410	1,215,910
530	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT	189,625	189,625
540	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	499,904	496,933
560	MEDICAL ACTIVITIES	196,747	196,747

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	LOGISTICS OPERATIONS AND TECHNICAL SUPPORT		
580	SERVICEWIDE TRANSPORTATION	165,708	165,708
600	PLANNING, ENGINEERING AND DESIGN	519,716	516,716
610	ACQUISITION AND PROGRAM MANAGEMENT	751,184	738,275
	SECURITY PROGRAMS		
650	NAVAL INVESTIGATIVE SERVICE	747,519	747,519
	OTHER PROGRAMS		
	OTHER PROGRAMS	608,670	613,195
	TOTAL, BUDGET ACTIVITY 4	4,928,483	4,880,628
	UNJUSTIFIED GROWTH	---	-100,000
	UNJUSTIFIED GROWTH FOR CIVILIAN FTES	---	-10,000
	PROJECTED CARRYOVER ADJUSTMENT	---	-25,000
	PROGRAM INCREASE: USS BONHOMME RICHARD	---	30,000
	HISTORICAL UNOBLIGATION	---	-50,000
	P.L. 115-68 IMPLEMENTATION	---	250
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-338,187
	DOD EXCEPTIONAL FAMILY	---	2,000
	TOTAL, OPERATION AND MAINTENANCE, NAVY	49,692,742	47,632,527

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
1A1A MISSION AND OTHER FLIGHT OPERATIONS	**5,738,746**	**5,638,746**
Unjustified growth		-100,000
1A2A FLEET AIR TRAINING	**2,213,673**	**2,189,173**
Unjustified increase		-25,000
Program increase - advanced skills management legacy systems upgrades		500
1A4A AIR OPERATIONS AND SAFETY SUPPORT	**171,949**	**170,828**
Unjustified growth		-1,121
1A4N AIR SYSTEMS SUPPORT	**838,767**	**833,767**
Unjustified increase		-5,000
1A5A AIRCRAFT DEPOT MAINTENANCE	**1,459,447**	**1,452,447**
Insufficient justification		-7,000
1A9A AVIATION LOGISTICS	**1,264,665**	**1,246,665**
Unjustified increase		-18,000
1B2B SHIP OPERATIONS SUPPORT AND TRAINING	**1,117,067**	**1,092,067**
Unjustified increase		-25,000
1B4B SHIP DEPOT MAINTENANCE	**7,859,104**	**6,809,241**
Unjustified increase		-55,000
Transfer to title IX		-1,017,423
Program increase - surge		1,000
Program increase only for USS FORT WORTH and USS CORONADO		21,560
1B5B SHIP DEPOT OPERATIONS SUPPORT	**2,262,196**	**2,264,796**
Unjustified growth		-40,000
Program increase only for USS FORT WORTH and USS CORONADO		42,600
1C1C COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE	**1,521,360**	**1,498,360**
Unjustified growth		-20,000
Remove one-time fiscal year 2020 increase		-3,000
1C4C WARFARE TACTICS	**741,609**	**744,109**
Program increase - shipboard bilge water disposal		2,500
1C6C COMBAT SUPPORT FORCES	**1,546,273**	**1,511,273**
Unjustified increase		-35,000
1CCH COMBATANT COMMANDERS CORE OPERATIONS	**61,484**	**66,584**
Program increase - Asia Pacific Regional Initiative		4,600
Program increase - implementation of P.L. 115-68		500

O-1	Budget Request	Final Bill
1CCM COMBATANT COMMANDERS DIRECT MISSION SUPPORT	**102,330**	**112,630**
Program increase - Pacific Deterrence Initiative - Joint Task Force Indo-Pacific (SOCPAC)		6,300
Program increase - Pacific Deterrence Initiative - Singapore CTIF fusion center		2,000
Program increase - Pacific Multi-Domain Training and Experimentation Capability		2,000
1D4D WEAPONS MAINTENANCE	**995,762**	**958,487**
Unjustified increase		-30,000
Transfer to title IX		-10,775
Program transfer unaccounted for		-7,000
Program increase - three additional Phalanx CIWS overhauls		10,500
BSIT ENTERPRISE INFORMATION TECHNOLOGY	**1,229,056**	**1,207,056**
Unjustified increase		-22,000
BSM1 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**3,453,099**	**3,484,031**
Program increase - fire and seismic protections for public shipyards		20,000
Navy requested transfer from RDTE,N line 184		27,748
Transfer lead service responsibilities for Joint Base Anacostia Bolling from Navy to Air Force		-16,816
BSS1 BASE OPERATING SUPPORT	**4,627,966**	**4,533,062**
Unjustified increase		-20,000
Unjustified personnel increase		-3,000
Program increase - PFAS remediation		11,100
Program increase - mil spec fluorine-free fire-fighting agent		2,500
Transfer lead service responsibilities for Joint Base Anacostia Bolling from Navy to Air Force		-85,504
2A1F SHIP PREPOSITIONING AND SURGE	**849,993**	**834,993**
Unjustified increase		-15,000
2A2F READY RESERVE FORCE	**436,029**	**376,029**
Transfer - two used sealift vessels for National Defense Reserve Fleet to SCN		-60,000
2B2G SHIP ACTIVATIONS/INACTIVATIONS	**286,416**	**260,424**
Unjustified increase		-20,000
Littoral Combat Ship inactivation		-5,992
3A1J OFFICER ACQUISITION	**186,117**	**176,117**
Insufficient justification		-10,000
3B1K SPECIALIZED SKILL TRAINING	**947,841**	**937,841**
Unjustified increase		-10,000
3B3K PROFESSIONAL DEVELOPMENT EDUCATION	**367,647**	**347,647**
Insufficient justification		-20,000

O-1	Budget Request	Final Bill
3C1L RECRUITING AND ADVERTISING	**206,305**	**210,605**
Program increase - Sea Cadets		4,300
3C5L JUNIOR ROTC	**56,276**	**62,776**
Program increase		4,000
Program increase - JROTC STEM training and education		2,500
4A1M ADMINISTRATION	**1,249,410**	**1,215,910**
Unjustified increase		-20,000
Insufficient justification		-10,000
Unjustified personnel increase		-3,500
4A4M MILITARY MANPOWER AND PERSONNEL MANAGEMENT	**499,904**	**496,933**
Transfer lead service responsibilities for Joint Base Anacostia Bolling from Navy to Air Force		-2,971
4B2N PLANNING, ENGINEERING AND DESIGN	**519,716**	**516,716**
Unjustified growth		-3,000
4B3N ACQUISITION, LOGISTICS AND OVERSIGHT	**751,184**	**738,275**
Program decrease unaccounted for		-12,000
Transfer lead service responsibilities for Joint Base Anacostia Bolling from Navy to Air Force		-909
OTHER PROGRAMS	**608,670**	**613,195**
Program increase		4,525
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-338,187**
PROJECTED CARRYOVER ADJUSTMENT		**-25,000**
HISTORICAL UNOBLIGATION		**-50,000**
UNJUSTIFIED GROWTH		**-100,000**
P.L. 115-68 IMPLEMENTATION		**250**
OVERESTIMATION OF CIVILIAN FTE TARGETS		**-10,000**
PROGRAM INCREASE - USS BONHOMME RICHARD		**30,000**
PROGRAM INCREASE - DOD EXCEPTIONAL FAMILY		**2,000**

NAVAL SHIPYARD APPRENTICE PROGRAM

The Secretary of the Navy is directed to induct classes of not fewer than 100 apprentices at each of the respective naval shipyards and to include the costs of the fiscal year 2022 class of apprentices in its budget request.

UNITED STATES COAST GUARD

The agreement directs that funds appropriated under Operation and Maintenance, Navy may be used to pay overhead costs incurred by a naval shipyard when drydocking United States Coast Guard ships.

PACIFIC UNDERWATER TRAINING RANGES

The Secretary of the Navy is directed to provide a report to the House and Senate Appropriations Committees detailing the Navy's plans for the Barking Sands Tactical Underwater Range and Barking Sands Underwater Range Expansion not later than 180 days after the enactment of this Act. The report shall include a budgetary plan and timeline to recapitalize and modernize the ranges and interim risk reduction efforts to ensure that the ranges can continue to deliver a realistic environment for testing and training until the Navy completes its full recapitalization and modernization plan.

OPERATION AND MAINTENANCE, MARINE CORPS

The agreement provides $7,286,184,000 for Operation and Maintenance, Marine Corps, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, MARINE CORPS		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	EXPEDITIONARY FORCES		
10	OPERATIONAL FORCES	941,143	871,973
20	FIELD LOGISTICS	1,277,798	1,262,798
30	DEPOT MAINTENANCE	206,907	168,414
	USMC PREPOSITIONING		
40	MARITIME PREPOSITIONING	103,614	103,614
	COMBAT OPERATIONS/SUPPORT		
50	CYBERSPACE ACTIVITIES	215,974	210,974
	BASE SUPPORT		
60	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	938,063	938,063
70	BASE OPERATING SUPPORT	2,264,680	2,406,966
	TOTAL, BUDGET ACTIVITY 1	5,948,179	5,962,802
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
	ACCESSION TRAINING		
80	RECRUIT TRAINING	20,751	20,751
90	OFFICER ACQUISITION	1,193	1,193
	BASIC SKILLS AND ADVANCED TRAINING		
100	SPECIALIZED SKILLS TRAINING	110,149	110,149
110	PROFESSIONAL DEVELOPMENT EDUCATION	69,509	61,509
120	TRAINING SUPPORT	412,613	407,613
	RECRUITING AND OTHER TRAINING EDUCATION		
130	RECRUITING AND ADVERTISING	215,464	215,464
140	OFF-DUTY AND VOLUNTARY EDUCATION	33,719	33,719
150	JUNIOR ROTC	25,784	31,084
	TOTAL, BUDGET ACTIVITY 3	889,182	881,482
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	SERVICEWIDE SUPPORT		
160	SERVICEWIDE TRANSPORTATION	32,005	32,005
170	ADMINISTRATION	399,363	397,863
	SECURITY PROGRAMS		
	SECURITY PROGRAMS	59,878	60,053
	TOTAL, BUDGET ACTIVITY 4	491,246	489,921

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
PROGRAM INCREASE - P.L. 115-68 IMPLEMENTATION.....	---	250
UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-48,271
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS.....	7,328,607	7,286,184

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
1A1A OPERATIONAL FORCES	**941,143**	**871,973**
Reduce program growth - Dynamic Force Employment		-13,400
Program increase - cold weather clothing		2,000
Program decreases unaccounted for		-15,000
Marine Corps identified asset for company and unit deactivation		-4,703
Transfer to title IX - European Deterrence Initiative full request		-38,067
1A2A FIELD LOGISTICS	**1,277,798**	**1,262,798**
Unjustified growth		-15,000
1A3A DEPOT MAINTENANCE	**206,907**	**168,414**
Marine Corps identified asset for fiscal year 2021 depot maintenance workload		-38,493
1CCY CYBERSPACE ACTIVITIES	**215,974**	**210,974**
Overestimation of civilian FTE targets		-5,000
BSS1 BASE OPERATING SUPPORT	**2,264,680**	**2,406,966**
Unjustified personnel increase		-3,000
Program increase - childcare programs		26,000
Program increase - AFFF requirements		5,000
Program increase		114,286
3B3D PROFESSIONAL DEVELOPMENT EDUCATION	**69,509**	**61,509**
Insufficient justification		-8,000
3B4D TRAINING SUPPORT	**412,613**	**407,613**
Remove one-time fiscal year 2020 increase		-5,000
3C3F JUNIOR ROTC	**25,784**	**31,084**
Program increase		2,800
Program increase - JROTC STEM training and education		2,500
4A4G ADMINISTRATION	**399,363**	**397,863**
Unjustified growth		-1,500
4A7G SECURITY PROGRAMS	**59,878**	**60,053**
Program increase		175
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-48,271**
P.L. 115-68 IMPLEMENTATION		**250**

OPERATION AND MAINTENANCE, AIR FORCE

The agreement provides $33,528,409,000 for Operation and Maintenance, Air Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, AIR FORCE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	AIR OPERATIONS		
10	PRIMARY COMBAT FORCES	731,511	601,511
20	COMBAT ENHANCEMENT FORCES	1,275,485	1,300,585
30	AIR OPERATIONS TRAINING	1,437,095	1,422,095
50	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	3,241,216	3,282,032
50	CYBERSPACE SUSTAINMENT	235,816	235,816
60	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,508,342	577,342
70	FLYING HOUR PROGRAM	4,458,457	4,458,457
80	BASE OPERATING SUPPORT	7,497,288	7,608,472
	COMBAT RELATED OPERATIONS		
90	GLOBAL C3I AND EARLY WARNING	849,842	863,642
100	OTHER COMBAT OPERATIONS SUPPORT PROGRAMS	1,067,055	1,122,055
110	CYBERSPACE ACTIVITIES	698,579	698,579
	SPACE OPERATIONS		
140	SPACE CONTROL SYSTEMS	34,194	34,194
	COCOM		
170	US NORTHCOM/NORAD	204,268	198,518
180	US STRATCOM	526,809	527,059
190	US CYBERCOM	314,524	307,774
200	US CENTCOM	186,116	186,366
210	US SOCOM	9,881	10,131
220	US TRANSCOM	1,046	1,296
230	USSPACECOM	249,022	244,272
	OPERATING FORCES		
	CLASSIFIED PROGRAMS	1,289,339	1,278,339
	TOTAL, BUDGET ACTIVITY 1	25,815,885	24,958,535
	BUDGET ACTIVITY 2: MOBILIZATION		
	MOBILITY OPERATIONS		
230	AIRLIFT OPERATIONS	1,350,031	1,350,031
240	MOBILIZATION PREPAREDNESS	647,168	624,241
	TOTAL, BUDGET ACTIVITY 2	1,997,199	1,974,272

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
	ACCESSION TRAINING		
280	OFFICER ACQUISITION	142,548	142,548
290	RECRUIT TRAINING	25,720	25,720
300	RESERVE OFFICER TRAINING CORPS (ROTC)	128,295	128,295
	BASIC SKILLS AND ADVANCED TRAINING		
330	SPECIALIZED SKILL TRAINING	417,335	399,335
340	FLIGHT TRAINING	615,033	615,033
350	PROFESSIONAL DEVELOPMENT EDUCATION	298,795	298,795
360	TRAINING SUPPORT	85,844	85,844
	RECRUITING, AND OTHER TRAINING AND EDUCATION		
380	RECRUITING AND ADVERTISING	155,065	155,065
390	EXAMINING	4,474	4,474
400	OFF DUTY AND VOLUNTARY EDUCATION	219,349	219,349
410	CIVILIAN EDUCATION AND TRAINING	361,570	356,570
420	JUNIOR ROTC	72,126	81,126
	TOTAL, BUDGET ACTIVITY 3	2,526,154	2,512,154
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	LOGISTICS OPERATIONS		
430	LOGISTICS OPERATIONS	672,426	662,426
440	TECHNICAL SUPPORT ACTIVITIES	145,130	145,130
	SERVICEWIDE ACTIVITIES		
480	ADMINISTRATION	851,251	836,251
490	SERVICEWIDE COMMUNICATIONS	28,554	28,554
500	OTHER SERVICEWIDE ACTIVITIES	1,188,414	1,183,414
510	CIVIL AIR PATROL CORPORATION	28,772	43,205
	SUPPORT TO OTHER NATIONS		
530	INTERNATIONAL SUPPORT	158,803	158,803
	SECURITY PROGRAMS		
	SECURITY PROGRAMS	1,338,009	1,341,328
	TOTAL, BUDGET ACTIVITY 4	4,411,359	4,399,111
	HISTORICAL UNOBLIGATION	---	-50,000
	UNJUSTIFIED GROWTH	---	-60,000
	PROJECTED CARRYOVER ADJUSTMENT	---	-75,000
	PROGRAM TRANSFER UNACCOUNTED FOR	---	-15,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
P.L. 115-68 IMPLEMENTATION	---	250
AUTHORIZATION ADJUSTMENT: RESTORE A-10	---	67,000
AUTHORIZATION ADJUSTMENT: RESTORE KC-10	---	20,000
AUTHORIZATION ADJUSTMENT: RESTORE KC-135	---	40,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-255,163
ISR OPERATIONS OFFICE	---	10,000
DOD EXCEPTIONAL FAMILY	---	2,000
STUDY ON THE USE OF HIGH SPEED COMMERCIAL AIRCRAFT	---	250
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	34,750,597	33,528,409

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Final Bill
11A	**PRIMARY COMBAT FORCES**	**731,511**	**601,511**
	Transfer - Air Force requested transfer of combatant command exercise/operational funding within OM,AF		-130,000
11C	**COMBAT ENHANCEMENT FORCES**	**1,275,485**	**1,300,585**
	Program transfer unaccounted for		-5,000
	Program decrease unaccounted for		-2,000
	Transfer - Air Force requested transfer of combatant command exercise/operational funding within OM,AF		30,000
	Program increase - RQ 4B		2,100
11D	**AIR OPERATIONS TRAINING**	**1,437,095**	**1,422,095**
	Unjustified growth		-25,000
	Transfer - Air Force requested transfer of combatant command exercise/operational funding within OM,AF		10,000
11R	**FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION**	**3,241,216**	**3,282,032**
	Transfer lead service responsibilities for Joint Base Anacostia Bolling from Navy to Air Force		15,816
	Program increase - natural disaster relief		25,000
11W	**CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT**	**1,508,342**	**577,342**
	Program decrease unaccounted for		-50,000
	Unjustified growth		-50,000
	Program increase - RQ-4B		169,000
	Transfer to title IX		-1,000,000
11Z	**BASE OPERATING SUPPORT**	**7,497,288**	**7,608,472**
	Unjustified personnel increase		-3,000
	Reduce program growth - Dynamic Force Employment		-10,200
	Program decrease unaccounted for		-24,000
	Unjustified growth		-35,000
	Transfer lead service responsibilities for Joint Base Anacostia Bolling from Navy to Air Force		90,384
	Transfer - Air Force requested transfer of combatant command exercise/operational funding within OM,AF		30,000
	Program increase - natural disaster relief		75,000
	Unjustified growth		-12,000
12A	**GLOBAL C3I AND EARLY WARNING**	**849,842**	**863,642**
	Insufficient justification		-9,000
	Program decrease unaccounted for		-8,000
	Program increase - Pacific Deterrence Initiative - Mission Partner Environment Implementation		30,800
12C	**OTHER COMBAT OPERATIONS SUPPORT PROGRAMS**	**1,067,055**	**1,122,055**
	Insufficient justification		-5,000
	Transfer - Air Force requested transfer of combatant command exercise/operational funding within OM,AF		60,000

O-1		Budget Request	Final Bill
15C	**US NORTHCOM/NORAD**	**204,268**	**198,518**
	Program increase - implementation of P.L. 115-68		250
	Program decrease unaccounted for		-6,000
15D	**US STRATCOM**	**526,809**	**527,059**
	Program increase - implementation of P.L. 115-68		250
15E	**US CYBERCOM**	**314,524**	**307,774**
	Program increase - implementation of P.L. 115-68		250
	Program decrease unaccounted for		-7,000
15F	**US CENTCOM**	**186,116**	**186,366**
	Program increase - implementation of P.L. 115-68		250
15G	**US SOCOM**	**9,881**	**10,131**
	Program increase - implementation of P.L. 115-68		250
15H	**US TRANSCOM**	**1,046**	**1,296**
	Program increase - implementation of P.L. 115-68		250
15X	**USSPACECOM**	**249,022**	**244,272**
	Program increase - implementation of P.L. 115-68		250
	Unjustified growth		-5,000
	CLASSIFIED PROGRAMS	**1,289,339**	**1,278,339**
	Classified adjustment		-11,000
21D	**MOBILIZATION PREPAREDNESS**	**647,168**	**624,241**
	Air Force requested transfer to OP,AF line 49		-22,927
32A	**SPECIALIZED SKILL TRAINING**	**417,335**	**399,335**
	Program decrease unaccounted for		-18,000
33D	**CIVILIAN EDUCATION AND TRAINING**	**361,570**	**356,570**
	Insufficient justification		-10,000
	Program increase - manfacturing for reverse engineering efforts		5,000
33E	**JUNIOR ROTC**	**72,126**	**81,126**
	Program increase		4,000
	Program increase - JROTC STEM training and education		5,000
41A	**LOGISTICS OPERATIONS**	**672,426**	**662,426**
	Program decrease unaccounted for		-10,000
42A	**ADMINISTRATION**	**851,251**	**836,251**
	Insufficient justification		-15,000

O-1		Budget Request	Final Bill
42G	OTHER SERVICEWIDE ACTIVITIES	1,188,414	1,183,414
	Unjustified personnel increase		-5,000
42I	CIVIL AIR PATROL CORPORATION	28,772	43,205
	Program increase		14,433
43A	SECURITY PROGRAMS	1,338,009	1,341,328
	Program increase		3,319
	HISTORICAL UNOBLIGATION		-50,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		-255,163
	UNJUSTIFIED GROWTH		-60,000
	PROGRAM TRANSFER UNACCOUNTED FOR		-15,000
	P.L. 115-68 IMPLEMENTATION		250
	PROJECTED CARRYOVER ADJUSTMENT		-75,000
	AUTHORIZATION ADJUSTMENT - RESTORE A -10		67,000
	AUTHORIZATION ADJUSTMENT - RESTORE KC-10		20,000
	AUTHORIZATION ADJUSTMENT - RESTORE KC-135		40,000
	PROGRAM INCREASE - ISR OPERATIONS OFFICE		10,000
	PROGRAM INCREASE - DOD EXCEPTIONAL FAMILY		2,000
	PROGRAM INCREASE - STUDY ON THE USE OF HIGH SPEED COMMERCIAL AIRCRAFT		250

AIR FORCE PILOT SHORTAGE

House Report 116–453 included language expressing concerns with the Air Force's pilot shortage and directed the Secretary of the Air Force to provide a report on augmenting pilot training. While the Air Force is undertaking numerous initiatives to address the issue, there is still concern that these initiatives, when combined, will not increase pilot production to meet National Defense Strategy requirements. Therefore, the Commander of Air Education and Training Command and the Deputy Chief of Staff of Operations at United States Air Force Headquarters are directed to brief the House and Senate Appropriations Committees not later than 45 days after the enactment of this Act and quarterly thereafter on the status of the Air Force's pilot shortfall and all efforts aimed to address it. The briefing shall, at a minimum, include an update on the development of the Service's strategic plan to address the shortage, the metrics used to measure the effectiveness of all lines of effort, data comparing actual pilot production and monthly targets for each phase of training for all tracks, information on the impact of trainer aircraft maintenance and associated logistics efforts impacting the pilot training shortage to include aircraft availability rates for each platform, simulator usage and availability data, pilot retention metrics, and a comprehensive summary of all appropriated funds expended to date for each line of effort aimed at addressing the pilot shortfall.

UNCONTAMINATED WATER FOR AGRICULTURAL PURPOSES

The Secretary of Defense and the Secretary of the Air Force are urged to implement section 343 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92).

OPERATION AND MAINTENANCE, SPACE FORCE

The agreement provides $2,492,114,000 for Operation and Maintenance, Space Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, SPACE FORCE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	AIR OPERATIONS		
20	GLOBAL C3I & EARLY WARNING	276,109	269,109
30	SPACE LAUNCH OPERATIONS	177,056	177,056
40	SPACE OPERATIONS	475,338	475,338
50	EDUCATION & TRAINING	18,660	18,660
60	SPECIAL PROGRAMS	137,315	137,315
70	DEPOT MAINTENANCE	250,324	250,324
80	CONTRACTOR LOGISTICS & SYSTEM SUPPORT	1,063,969	1,063,969
90	ADMINISTRATION	132,523	110,523
	TOTAL, BUDGET ACTIVITY 1	2,531,294	2,502,294
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-180
	UNJUSTIFIED GROWTH	---	-10,000
	TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE	2,531,294	2,492,114

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Final Bill
12A	**GLOBAL C3I & EARLY WARNING**	**276,109**	**269,109**
	Insufficient justification		-7,000
42A	**ADMINISTRATION**	**132,523**	**110,523**
	Unjustified increase		-19,000
	Unjustified personnel increase		-3,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-180**
	UNJUSTIFIED GROWTH		**-10,000**

OPERATION AND MAINTENANCE, DEFENSE-WIDE

The agreement provides $39,048,990,000 for Operation and Maintenance, Defense-Wide, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, DEFENSE-WIDE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
10	JOINT CHIEFS OF STAFF	439,111	419,111
20	JOINT CHIEFS OF STAFF	535,728	535,728
30	JOINT CHIEFS OF STAFF - CYBER	24,728	24,728
40	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	1,069,971	1,060,775
50	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES	9,800	9,800
60	SPECIAL OPERATIONS COMMAND INTELLIGENCE	561,907	555,077
70	SPECIAL OPERATIONS COMMAND MAINTENANCE	685,097	720,682
80	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	158,971	165,668
90	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	1,062,748	1,043,604
100	SPECIAL OPERATIONS COMMAND THEATER FORCES	2,598,385	2,555,527
	TOTAL, BUDGET ACTIVITY 1	7,146,446	7,090,700
	BUDGET ACTIVITY 3: TRAINING AND RECRUITING		
50	DEFENSE ACQUISITION UNIVERSITY	162,963	162,963
60	JOINT CHIEFS OF STAFF RECRUITING, AND OTHER TRAINING AND EDUCATION	95,684	95,684
70	SPECIAL OPERATIONS COMMAND	33,301	33,868
	TOTAL, BUDGET ACTIVITY 3	291,948	292,515
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
80	CIVIL MILITARY PROGRAMS	147,993	281,167
100	DEFENSE CONTRACT AUDIT AGENCY	604,835	608,835
190	DEFENSE CONTRACT AUDIT AGENCY - CYBER	3,282	3,282
110	DEFENSE CONTRACT MANAGEMENT AGENCY	1,370,681	1,412,681
210	DEFENSE CONTRACT MANAGEMENT AGENCY - CYBER	22,532	22,532
120	DEFENSE HUMAN RESOURCES ACTIVITY	799,952	924,232
120	DEFENSE HUMAN RESOURCES ACTIVITY - CYBER	20,806	20,806
130	DEFENSE INFORMATION SYSTEMS AGENCY	1,883,190	1,823,190
240	DEFENSE INFORMATION SYSTEMS AGENCY - CYBER	582,639	592,639
150	DEFENSE LEGAL SERVICES AGENCY	37,637	37,637
160	DEFENSE LOGISTICS AGENCY	382,084	402,948
170	DEFENSE MEDIA ACTIVITY	196,997	205,997

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
180	DEFENSE POW /MISSING PERSONS OFFICE	129,225	154,225
190	DEFENSE SECURITY COOPERATION AGENCY	598,559	656,140
200	DEFENSE SECURITY SERVICE	949,008	949,008
340	DEFENSE SECURITY SERVICE - CYBER	9,577	9,577
220	DEFENSE TECHNOLOGY SECURITY AGENCY	38,432	38,432
230	DEFENSE THREAT REDUCTION AGENCY	591,780	591,780
400	DEFENSE THREAT REDUCTION AGENCY - CYBER	24,635	24,635
250	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	2,941,429	3,016,429
280	OFFICE OF ECONOMIC ADJUSTMENT	40,272	214,272
290	OFFICE OF THE SECRETARY OF DEFENSE	1,540,446	1,506,196
420	MISSILE DEFENSE AGENCY	505,858	577,535
470	OFFICE OF THE SECRETARY OF DEFENSE - CYBER	51,630	51,630
480	SPACE DEVELOPMENT AGENCY	48,166	48,166
310	WASHINGTON HEADQUARTERS SERVICES	340,291	330,291
	OTHER PROGRAMS	17,348,749	17,291,045
	TOTAL, BUDGET ACTIVITY 4	31,210,685	31,795,307
	ATOMIC VETERANS SERVICE MEDAL	---	4,000
	PROGRAM INCREASE: VIETNAM DIOXIN REMEDIATION	---	15,000
	P.L. 115-68 IMPLEMENTATION	---	1,500
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED - NON NIP	---	-150,032
	TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	38,649,079	39,048,990

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
1PL1 JOINT CHIEFS OF STAFF	**439,111**	**419,111**
Insufficient justification		-20,000
1PL6 SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	**1,069,971**	**1,060,775**
SOCOM requested realignment from 1PLR for civilian personnel costs		5,485
SOCOM requested realignment to 1PLR for MIP civilian personnel		-1,638
Classified adjustment		-5,500
SOCOM requested realignment from 1PLR for MISO activities		-7,543
1PLU SPECIAL OPERATIONS COMMAND INTELLIGENCE	**561,907**	**555,077**
SOCOM requested realignment from 1PLR for civilian personnel costs		8,445
SOCOM requested realignment from IPL6 for MIP civilian personnel costs		1,638
SOF Organic ISR excess to need		-8,100
DOMEX insufficient budget justification		-6,000
Excess to need - classified adjustment		-2,000
Program increase - classified adjustment		2,044
Repricing data scientist contractor FTEs		-1,865
Overestimation of SOCRATES licensing costs		-992
1PL7 SPECIAL OPERATIONS COMMAND MAINTENANCE	**685,097**	**720,682**
Dry Combat Submersible excess to need		-672
Program increase - 137th SOW MC-12 capability		49,000
Overestimation of CCM sustainment requirements		-1,778
Unjustified CCA growth		-776
FSOV - program decrease unaccounted for		-2,189
Insufficient budget justification		-8,000
1PLM SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS	**158,971**	**165,668**
SOCOM requested realignment from 1PLR for civilian personnel costs		7,767
Overestimation of civilian personnel costs		-1,070
1PLV SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	**1,062,748**	**1,043,604**
SOCOM requested realignment from 1PLR for civilian personnel costs		7,191
Dry Combat Submersible excess to need		-891
RAA/VAK excess to need		-8,878
Program increase - Identity Management		10,000
One-time base support decreases not properly accounted for		-3,000
Windows 10 - program decrease unaccounted for		-22,400
SIPR OPP licenses - program decrease unaccounted for		-2,550
Overestimation of civilian personnel costs		-1,116
Program increase - demonstration project for contractors employing persons with disabilities to manufacture mechanical tourniquets		2,500

O-1	Budget Request	Final Bill
1PLR SPECIAL OPERATIONS COMMAND THEATER FORCES	**2,598,385**	**2,555,527**
Program increase - Preservation of Force and Family		2,000
Overestimation of flying hours		-14,737
Overestimation of A/MH-6M cost per flying hour rate		-6,176
Overestimation of civilian personnel costs		-2,033
SOCOM requested realignment to 1PL6 for civilian personnel costs		-5,485
SOCOM requested realignment to 1PLU for civilian personnel costs		-8,445
SOCOM requested realignment to 1PLM for civilian personnel costs		-7,767
SOCOM requested realignment to 1PLV for civilian personnel costs		-7,191
SOCOM requested realignment to 3EV8 for civilian personnel costs		-567
SOCOM requested realignment from 1PL6 for MISO activities		7,543
3EV8 SPECIAL OPERATIONS COMMAND	**33,301**	**33,868**
SOCOM requested realignment from 1PLR for civilian personnel costs		567
4GT3 CIVIL MILITARY PROGRAMS	**147,993**	**281,167**
Program increase - National Guard Youth Challenge		75,122
Program increase - Starbase		41,167
Program increase - Innovative Readiness Training		16,885
4GT6 DEFENSE CONTRACT AUDIT AGENCY	**604,835**	**608,835**
Program increase - restore defense-wide review reductions		19,000
Program decrease unaccounted for		-15,000
4GTO DEFENSE CONTRACT MANAGEMENT AGENCY	**1,370,681**	**1,412,681**
Program increase - restore defense-wide review reductions		42,000
4GT8 DEFENSE HUMAN RESOURCES ACTIVITY	**799,952**	**924,232**
Insufficient justification		-20,000
Program increase - Defense Language and National Security Education Office - restore defense-wide review reductions		30,000
Program increase - Language Flagship program		6,000
Program increase - Federal Voting Assistance Program - restore defense-wide review reductions		2,280
Program increases - Diversity Management Operations Program - restore defense-wide review reductions		6,000
Program increase - Defense Equal Opportunity Management Insititue Workforce Recruitment Program - restore defense-wide review reductions		2,000
Program increase - Special Victims' Counsel		46,000
Program increase - Defense Suicide Prevention Office		3,000
Program increase - Sexual Assault Prevention and Response Office		7,500
Program increase - Defense Language Training Centers		15,000
Program increase - demonstration project for contractors emloying persons with disabilities		2,500
Program increase - suicide prevention with focus on rural, remote, isolated and OCONUS installations		2,000
Program increase - Beyond Yellow Ribbon		22,000

O-1	Budget Request	Final Bill
4GT9 DEFENSE INFORMATION SYSTEMS AGENCY	**1,883,190**	**1,823,190**
Unjustified growth		-60,000
4GU9 DEFENSE INFORMATION SYSTEMS AGENCY - CYBER	**582,639**	**592,639**
Program increase - Comply to Connect		10,000
4GTB DEFENSE LOGISTICS AGENCY	**382,084**	**402,948**
Program increase - Procurement Technical Assistance Program		22,364
Program increase - maternity uniform pilot program		10,000
Program increase - homeless blankets program under P.L. 100-77		3,500
Unjustified growth		-15,000
ES18 DEFENSE MEDIA ACTIVITY	**196,997**	**205,997**
Program increase - Stars and Stripes restoration		9,000
4GTC DEFENSE PERSONNEL ACCOUNTING AGENCY	**129,225**	**154,225**
Program increase - restore defense-wide review reduction		20,000
Program increase		5,000
4GTD DEFENSE SECURITY COOPERATION AGENCY	**598,559**	**656,140**
Transfer from National Defense Strategy Implementation Account to Combating Terrorism and Irregular Warfare Fellowship Program		-24,723
Transfer to Combating Terrorism and Irregular Warfare Fellowship Program from National Defense Strategy Implementation Account		24,723
Program decrease - National Defense Strategy Implementation Account Professional Military Education Programs		-3000
Program increase - International Security Cooperation Programs with countries in SOUTHCOM		46,156
Program increase - International Security Cooperation Programs women's programs		3,000
Program increase - Regional Centers		3,925
Transfer from DSCA Headquarters to Claims Litigation Support		-3,636
Transfer to Claims Litigation Support from DSCA Headquarters		3,636
Unjustified growth - Institute for Security Governance		-15,000
Program increase - International Security Cooperation Programs - INDOPACOM - pilot program to improve cyber cooperation		2,500
Program increase - Irregular Warfare Functional Center		10,000
Program increase - Arctic Regional Center		10,000
4GTJ DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	**2,941,429**	**3,016,429**
Program increase - World Language grants		15,000
Program increase - Impact Aid		50,000
Program increase - Impact Aid for children with disabilities		20,000
Unjustified growth		-10,000

O-1	Budget Request	Final Bill
4GTM OFFICE OF ECONOMIC ADJUSTMENT	**40,272**	**214,272**
Program increase - restore defense-wide review reductions		20,000
Program increase - Defense Community Infrastructure Program		60,000
Program increase - Guam Public Health Laboratory		19,000
Program increase - Noise Mitigation Community Partnership		50,000
Program increase - Defense Manufacturing Communities		25,000
4GTN OFFICE OF THE SECRETARY OF DEFENSE	**1,540,446**	**1,506,196**
Excess personnel increase - Office of Cost Assessment & Program Evaluation		-3,000
Excess personnel increase - Office of the Chief Management Officer		-11,000
Excess personnel increase - Office of the Undersecretary for Acquisition and Sustainment		-3,000
Excess personnel increase - Office of the Undersecretary for Research and Engineering		-2,000
Excess personnel increase - Office of the Undersecretary for Policy		-3,500
Program increase - Readiness Environmental Protection Initiative		30,000
Program increase - CDC water contamination study and assessment		15,000
Program increase - JASON Scientific Advisory Group		3,000
Program increase - National Security Commission on Artificial Intelligence		2,500
Program increase - DASD Environment civilian growth		2,000
Program increase - Information Assurance Scholarship Program		12,000
Program increase - Office of the Information Officer Digital Persona Protection Initiative		1,000
Unjustified growth		-80,000
Program increase - interstate compacts for licensure and credentialing		2,750
011A MISSILE DEFENSE AGENCY	**505,858**	**577,535**
GMD unjustified growth		-8,323
Program increase - AN/TPY-2 spares		80,000
4GTQ WASHINGTON HEADQUARTERS SERVICES	**340,291**	**330,291**
Insufficient justification		-10,000
999 OTHER PROGRAMS	**17,348,749**	**17,291,045**
Classified programs		-57,704
ATOMIC VETERANS SERVICE MEDAL		**4,000**
UNDISTRIBUTED REDUCTION - EXCESS TO NEED - NON NIP		**-150,032**
VIETNAM DIOXIN REMEDIATION		**15,000**
P.L. 115-68 IMPLEMENTATION		**1,500**

DEFENSE POW/MIA ACCOUNTING AGENCY

The agreement supports the significant remains recovery goals outlined in the National Defense Authorization Act for Fiscal Year 2010 (Public Law 111–84) and commends the Defense POW/MIA Accounting Agency for undertaking partnership arrangements with Carnegie R1 research universities to more effectively account for missing personnel and ensure families receive more timely information. The Director of the Defense POW/MIA Accounting Agency is directed to brief the House and Senate Appropriations Committees not later than 60 days after the enactment of this Act on plans for expanding these partnership arrangements into a systematic research and recovery process, through partnerships with Carnegie R1 research universities, focusing on prioritized World War II accounting efforts.

ENHANCING THE CAPABILITY OF MILITARY CRIMINAL INVESTIGATIVE ORGANIZATIONS TO PREVENT AND COMBAT CHILD SEXUAL EXPLOITATION

A designee of the Secretary of Defense is directed to brief the House and Senate Appropriations Committees, not later than 30 days after the enactment of this Act, an update on the initiative established under Section 550D of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92). The briefing shall also address opportunities within the following subject matters: establishing cooperative agreements and co-training with the relevant federal, state, local, and other law enforcement agencies; integrating child protective services and organizations into the initiative; and implementing recommendations made in the Government Accountability Office's report titled ''Increased Guidance and Collaboration Needed to Improve DoD's Tracking and Response to Child Abuse'' (GAO–20–110).

SEXUAL ASSAULT PREVENTION PLAN OF ACTION

The agreement recommends an additional $7,500,000 for the Sexual Assault Prevention and Response Office for continued implementation of the Prevention Plan of Action and to fund prevention efforts throughout the Services. The Director of the Sexual Assault Prevention and Response Office is directed to brief the House and Senate Appropriations Committees on its spend plan for the $7,500,000 not later than 90 days after the enactment of this Act.

DEFENSE LANGUAGE AND NATIONAL SECURITY EDUCATION OFFICE

The agreement designates the funding included in the fiscal year 2021 President's budget request for the Language Training Centers as a congressional special interest item and directs that the funding profile for the Language Training Centers 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 budget submissions.

FEASIBILITY OF LANGUAGE AND CULTURAL COMPETENCY TRAINING FOR STATE PARTNERSHIP PROGRAM

The Secretary of Defense is directed to perform a feasibility study for a language skills and cultural competency pilot program through existing Defense Language and National Security Education Office contracts to benefit the State Partnership Program between National Guard units and partner governments. The pilot should look at multiple partnerships to provide insight into program design, curriculum, and utilization of accredited universities local to National Guard units to improve State Partnership Program interactions.

SERVICE-PROVIDED SUPPORT AND ENABLING CAPABILITIES TO UNITED STATES SPECIAL OPERATIONS FORCES

The agreement directs the Service Secretaries and the Secretary of Defense on behalf of the defense agencies to include with the fiscal year 2022 budget submission and each subsequent year thereafter, a consolidated budget justification display showing Service-common support and enabling capabilities contributed from each of the military Services and defense agencies to special operations forces. The report shall include a detailed accounting of the resources allocated by each Service or defense agency at the appropriation and line item level to provide combat support, combat service support, training, base operating support, pay and allowances, and enabling capabilities or other common services and support for special operations forces. The exhibit shall also include an identification of any changes in the level or type of support in the current fiscal year when compared to the preceding year.

THEATER SPECIAL OPERATIONS COMMAND ACTIVITIES

The agreement directs the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict), in coordination with the Commander of United States Special Operations Command, the Service Secretaries, and the Chairman of the Joint Chiefs of Staff, to provide a report to the congressional defense committees on the activities of Theater Special Operations Commands (TSOCs). The report shall be provided not later than 15 days after submission of the fiscal year 2022 budget request and include a detailed accounting of activities performed by the TSOCs in the preceding year, current fiscal year, and current budget request submission at the budget line item level of detail. The report shall include a detailed accounting of resources allocated by the military Services, United States Special Operations Command, and the combatant commands.

MILITARY INFORMATION SUPPORT OPERATIONS

The agreement directs the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict) to submit a report for military information support operations (MISO) activities for the individual geographic combatant commands justified by the main pillars of the National Defense Strategy to the House and Senate Appropriations Committees not later than 15 days upon submission of the fiscal year 2022 budget request and annually thereafter. The report shall include spend plans identifying the requested and enacted funding levels for both voice and internet activities and how those activities are coordinated with the Intelligence Community and the Department of State. The enacted levels will serve as the baseline for reprogramming in accordance with section 8007 of this Act. Furthermore, the agreement directs the Assistant Secretary of Defense (Special Operations/Low Intensity Conflict) to submit to the congressional defense committees, not later than 90 days after the end of the fiscal year, an annual report that provides details on each combatant commands' MISO activities by activity name, description, goal or objective, target audience, dissemination means, executed funds, and assessments of their effectiveness. Additional details for the report are included in the classified annex accompanying this Act.

FORCE DEPLOYMENT NOTIFICATIONS AND QUARTERLY REPORT

The agreement directs that not later than five days after a significant deployment or redeployment of military personnel to a location outside the United States, the Secretary of Defense shall submit to the congressional defense committees a notification of the deployment, including the units and number of personnel deployed or redeployed and the location of the deployment. In addition, not later than 45 days after the enactment of this Act and quarterly thereafter, the Secretary of Defense shall submit to the congressional defense committees a report on the deployment of armed forces by each geographic combatant command. The report shall include the number of servicemembers, civilian employees, and contract personnel deployed, as well as the country and named operation, if applicable, to which such personnel are assigned.

BASE NOTIFICATION

The agreement directs that not later than 15 days after the date on which any foreign base that involves the stationing or operations of United States military personnel, including a temporary base, permanent base, or base owned and operated by a foreign country, is opened or closed, the Secretary of Defense shall notify the congressional defense committees in writing. The notification shall include the base location, dates of opening or closure, and any associated personnel changes, costs, or savings.

SECURITY FORCE ASSISTANCE BRIGADE QUARTERLY REPORT

The Secretary of Defense is directed to submit a report to the congressional defense committees, not later than 45 days after the enactment of this Act and quarterly thereafter, on deployments of Army security force assistance brigades to foreign countries to provide training or equipment to their security forces. The report shall include a description of each United States Army brigade and number of individuals deployed; the education and training provided to the brigade; a description of the amount, type, and purpose of the training or equipment provided; the authority under which the program was conducted; the recipient foreign country and the security forces; the timeline, cost, and the source of funds; arrangements made for the sustainment of the program; any prior assistance provided by a security force assistance brigade; and what was accomplished and how the training and equipment fits into the overall security cooperation goals of the country.

NOISE MITIGATION COMMUNITIES PARTNERSHIP

The agreement includes additional language to address the effects that jet noise has on communities. The Secretary of Defense is directed to continue to provide the reports required under this heading in House Report 116–453. The Federal Aviation Administration is the primary Federal agency for noise mitigation support to local communities to plan for and respond to commercial aircraft noise. The agreement expands the interaction between the Department of Defense and the Department of Transportation to ensure that assets of each individual program of both agencies work to alleviate the effects of noise on the communities as expeditiously as possible.

The agreement recognizes when military bases experience a change or expansion of mission, the rapid adjustment of noise contours is faster than local communities and existing land use planning and mitigation efforts can adjust. Therefore, the agreement provides $50,000,000 to the Department of Defense Office of Economic Adjustment for assisting communities in adjusting their noise mitigation plans to be available for projects within a one mile or a 65 decibel Day-Night Average Sound Level contour as determined by sound studies, such as an environmental impact statement.

DEFENSE SECURITY COOPERATION AGENCY PROGRAMS

The agreement does not include funding for a proposed National Defense Strategy Implementation Account. Instead, the agreement provides separate funding for International Security Cooperation Programs and the Combating Terrorism and Irregular Warfare Fellowship Program. The agreement provides $55,840,000 above the budget request for countries in the Africa Command area of responsibility and $46,156,000 above the budget request for countries in the Southern Command area of responsibility for International Security Cooperation Programs. The agreement directs that such amounts are in addition to requested program levels and shall only be obligated for additional programs within each respective combatant command.

Prior to the initial obligation of funds made available in titles II and IX of this Act for the Defense Security Cooperation Agency (DSCA), the Director of DSCA shall submit a spend plan for each program listed in the budget justification documents for DSCA to the House and Senate Appropriations Committees. For funds planned for International Security Cooperation Programs, the Director shall, in coordination with the commanders of each geographic combatant command, include amounts planned for each combatant command and country, and a comparison to such amounts provided in the prior three fiscal years. Amounts in the spend plan shall only reflect amounts requested in the fiscal year 2021 budget justification materials and modified by the fiscal year 2021 appropriations adjustments in the table under this heading for DSCA. Prior to obligation of funds that would deviate from the plan, the Director shall provide an updated plan to such Committees outlining any changes between each program listed in the budget justification documents or between combatant commands or countries, and a justification for the changes. Concurrent with the submission of the fiscal year 2022 budget request, the Director shall also provide to such Committees a breakout of the request for International Security Cooperation Programs by combatant command and country.

This language replaces the funding levels specified in House Report 116–453 under the heading ''Defense Security Cooperation Programs''. The Secretary of Defense shall follow the other directives under this heading in House Report 116–453.

EL MOZOTE MASSACRE

Not later than 60 days after the date of enactment of this Act, the Secretary of Defense, in coordination with the Secretary of State, shall provide all relevant information and documents to the appropriate judicial authorities in El Salvador investigating the December 1981 massacre in El Mozote. Additionally, not later than 30 days following such action, the Secretary of Defense shall submit a report to the Committees on Appropriations of the House of Representatives and the Senate describing the information and documents provided and the authorities that received them.

RENAMING INSTITUTIONS

The agreement does not adopt the language under the heading ''Renaming Institutions'' in House Report 116–453.

RESTRICTIONS ON TRANSFER OF ITEMS TO LAW ENFORCEMENT

In lieu of Section 8132 of the House bill, the agreement supports section 1053 of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 and directs the Department to provide a report detailing its compliance with such section not later than 120 days after the date of enactment of this Act and quarterly thereafter.

OPERATION AND MAINTENANCE, ARMY RESERVE

The agreement provides $2,887,898,000 for Operation and Maintenance, Army Reserve, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, ARMY RESERVE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	LAND FORCES		
10	MODULAR SUPPORT BRIGADES	10,784	9,784
20	ECHELONS ABOVE BRIGADES	530,425	530,425
30	THEATER LEVEL ASSETS	123,737	122,737
40	LAND FORCES OPERATIONS SUPPORT	589,582	569,582
50	AVIATION ASSETS	89,332	87,832
	LAND FORCES READINESS		
60	FORCES READINESS OPERATIONS SUPPORT	387,545	387,545
70	LAND FORCES SYSTEM READINESS	97,569	97,569
80	DEPOT MAINTENANCE	43,148	43,148
	LAND FORCES READINESS SUPPORT		
90	BASE OPERATIONS SUPPORT	587,098	587,098
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	327,180	337,180
110	MANAGEMENT AND OPERATIONS HEADQUARTERS	28,783	28,783
120	CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS	2,745	2,745
130	CYBERSPACE ACTIVITIES - CYBERSECURITY	7,438	7,438
	TOTAL, BUDGET ACTIVITY 1	2,825,366	2,811,866
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
120	SERVICEWIDE TRANSPORTATION	15,530	15,530
130	ADMINISTRATION	17,761	17,761
140	SERVICEWIDE COMMUNICATIONS	14,256	14,256
150	PERSONNEL/FINANCIAL ADMINISTRATION	6,564	6,564
160	RECRUITING AND ADVERTISING	55,240	55,240
	TOTAL, BUDGET ACTIVITY 4	109,351	109,351
	UNJUSTIFIED GROWTH	---	-17,000
	HISTORICAL UNOBLIGATION	---	-1,500
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-14,819
	TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	2,934,717	2,887,898

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
112 MODULAR SUPPORT BRIGADES	**10,784**	**9,784**
Unjustified growth		-1,000
114 THEATER LEVEL ASSETS	**123,737**	**122,737**
Unjustified growth		-1,000
115 LAND FORCES OPERATIONS SUPPORT	**589,582**	**569,582**
Unjustified growth		-20,000
116 AVIATION ASSETS	**89,332**	**87,832**
Unjustified growth		-1,500
132 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**327,180**	**337,180**
Program increase		10,000
HISTORICAL UNOBLIGATION		**-1,500**
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-14,819**
UNJUSTIFIED GROWTH		**-17,000**

OPERATION AND MAINTENANCE, NAVY RESERVE

The agreement provides $1,115,150,000 for Operation and Maintenance, Navy Reserve, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, NAVY RESERVE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	RESERVE AIR OPERATIONS		
10	MISSION AND OTHER FLIGHT OPERATIONS	635,070	625,070
20	INTERMEDIATE MAINTENANCE	8,713	8,713
30	AIRCRAFT DEPOT MAINTENANCE	105,088	105,088
40	AIRCRAFT DEPOT OPERATIONS SUPPORT	398	398
50	AVIATION LOGISTICS	27,284	27,284
	RESERVE SHIP OPERATIONS		
	RESERVE COMBAT OPERATIONS SUPPORT		
70	COMBAT COMMUNICATIONS	17,894	17,894
80	COMBAT SUPPORT FORCES	132,862	131,362
90	CYBERSPACE ACTIVITIES	453	453
	RESERVE WEAPONS SUPPORT		
100	ENTERPRISE INFORMATION TECHNOLOGY	26,073	26,073
	BASE OPERATING SUPPORT		
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	48,762	53,762
120	BASE OPERATING SUPPORT	103,580	103,580
	TOTAL, BUDGET ACTIVITY 1	1,106,177	1,099,677
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
130	ADMINISTRATION	1,927	1,927
140	MILITARY MANPOWER & PERSONNEL	15,895	15,895
160	ACQUISITION AND PROGRAM MANAGEMENT	3,047	3,047
	TOTAL, BUDGET ACTIVITY 4	20,869	20,869
	OVERESTIMATION OF CIVILIAN FTE TARGETS	---	-4,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-1,396
	TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	1,127,046	1,115,150

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Final Bill
1A1A	**MISSION AND OTHER FLIGHT OPERATIONS**	**635,070**	**625,070**
	Insufficient justification		-10,000
1C6C	**COMBAT SUPPORT FORCES**	**132,862**	**131,362**
	Unjustified increase		-1,500
BSMR	**FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION**	**48,762**	**53,762**
	Program increase		5,000
	OVERESTIMATION OF CIVILIAN FTE TARGETS		**-4,000**
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-1,396**

OPERATION AND MAINTENANCE, MARINE CORPS RESERVE

The agreement provides $283,494,000 for Operation and Maintenance, Marine Corps Reserve, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, MARINE CORPS RESERVE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	EXPEDITIONARY FORCES		
10	OPERATING FORCES	104,616	104,616
20	DEPOT MAINTENANCE	17,053	17,053
30	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	41,412	43,662
40	BASE OPERATING SUPPORT	107,773	107,773
	TOTAL, BUDGET ACTIVITY 1	270,854	273,104
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
60	ADMINISTRATION	13,802	13,802
	TOTAL, BUDGET ACTIVITY 4	13,802	13,802
	OVERESTIMATION OF CIVILIAN FTE TARGETS	---	-3,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-412
	TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	284,656	283,494

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
BSM1 FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**41,412**	**43,662**
Program increase		2,250
OVERESTIMATION OF CIVILIAN FTE TARGETS		**-3,000**
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-412**

OPERATION AND MAINTENANCE, AIR FORCE RESERVE

The agreement provides $3,268,461,000 for Operation and Maintenance, Air Force Reserve, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, AIR FORCE RESERVE		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	AIR OPERATIONS		
10	PRIMARY COMBAT FORCES	1,782,016	1,762,016
20	MISSION SUPPORT OPERATIONS	215,209	210,209
30	DEPOT MAINTENANCE	453,896	453,896
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	103,414	108,414
70	CYBERSPACE ACTIVITIES	2,259	2,259
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	224,977	224,977
60	BASE OPERATING SUPPORT	452,468	448,468
	TOTAL, BUDGET ACTIVITY 1	3,234,239	3,210,239
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
70	ADMINISTRATION	74,258	74,258
80	RECRUITING AND ADVERTISING	23,121	23,121
90	MILITARY MANPOWER AND PERSONNEL MANAGEMENT	12,006	12,006
100	OTHER PERSONNEL SUPPORT	6,165	6,165
110	AUDIOVISUAL	495	495
	TOTAL, BUDGET ACTIVITY 4	116,045	116,045
	HISTORICAL UNOBLIGATION	---	-3,000
	OVERESTIMATION OF CIVILIAN FTE TARGETS	---	-40,000
	UNJUSTIFIED GROWTH	---	-15,000
	AUTHORIZATION ADJUSTMENT: RESTORE A-10	---	15,000
	AUTHORIZATION ADJUSTMENT: RESTORE KC-135	---	5,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-19,823
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	3,350,284	3,268,461

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Final Bill
11A	**PRIMARY COMBAT FORCES**	**1,782,016**	**1,762,016**
	Insufficient jusification		-20,000
11G	**MISSION SUPPORT OPERATIONS**	**215,209**	**210,209**
	Insufficient justification		-5,000
11R	**FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION**	**103,414**	**108,414**
	Program increase		5,000
11Z	**BASE OPERATING SUPPORT**	**452,468**	**448,468**
	Insufficient justification		-4,000
	AUTHORIZATION ADJUSTMENT - RESTORE A-10		**15,000**
	AUTHORIZATION ADJUSTMENT - RESTORE KC-135		**5,000**
	HISTORICAL UNOBLIGATION		**-3,000**
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-19,823**
	OVERESTIMATION OF CIVILIAN FTE TARGETS		**-40,000**
	UNJUSTIFIED GROWTH		**-15,000**

OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD

The agreement provides $7,350,837,000 for Operation and Maintenance, Army National Guard, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	LAND FORCES		
10	MANEUVER UNITS	769,449	781,449
20	MODULAR SUPPORT BRIGADES	204,604	204,604
30	ECHELONS ABOVE BRIGADE	812,072	812,072
40	THEATER LEVEL ASSETS	103,650	97,650
50	LAND FORCES OPERATIONS SUPPORT	32,485	32,485
60	AVIATION ASSETS	1,011,142	995,142
	LAND FORCES READINESS		
70	FORCE READINESS OPERATIONS SUPPORT	712,881	716,915
80	LAND FORCES SYSTEMS READINESS	47,732	47,732
90	LAND FORCES DEPOT MAINTENANCE	265,408	263,908
	LAND FORCES READINESS SUPPORT		
100	BASE OPERATIONS SUPPORT	1,106,704	1,124,704
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	876,032	901,032
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS	1,050,257	1,050,257
130	CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS	7,998	8,998
140	CYBERSPACE ACTIVITIES - CYBERSECURITY	7,756	7,756
	TOTAL, BUDGET ACTIVITY 1	7,008,170	7,044,704
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	ADMINISTRATION AND SERVICEWIDE ACTIVITIES		
130	SERVICEWIDE TRANSPORTATION	8,018	8,018
140	ADMINISTRATION	74,309	78,309
150	SERVICEWIDE COMMUNICATIONS	66,140	66,140
160	MANPOWER MANAGEMENT	9,087	9,087
170	RECRUITING AND ADVERTISING	251,714	248,214

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
180	REAL ESTATE MANAGEMENT	2,576	2,576
	TOTAL, BUDGET ACTIVITY 4	411,844	412,344
	HISTORICAL UNOBLIGATION	---	-5,000
	UNJUSTIFIED GROWTH	---	-60,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-41,211
	TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	7,420,014	7,350,837

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Final Bill
111	**MANEUVER UNITS**	**769,449**	**781,449**
	Program increase - Exercise NORTHERN STRIKE		12,000
114	**THEATER LEVEL ASSETS**	**103,650**	**97,650**
	Unjustified growth		-6,000
116	**AVIATION ASSETS**	**1,011,142**	**995,142**
	Unjustified growth		-16,000
121	**FORCE READINESS OPERATIONS SUPPORT**	**712,881**	**716,915**
	Program increase - advanced trauma training program		534
	Program increase - corrosion control		2,000
	Program increase - wildfire training		1,500
123	**LAND FORCES DEPOT MAINTENANCE**	**265,408**	**263,908**
	Insufficient justification		-1,500
131	**BASE OPERATIONS SUPPORT**	**1,106,704**	**1,124,704**
	Program increase - PFAS remediation		20,000
	Remove one-time fiscal year 2020 cost		-5,000
	Program increase - warrior resiliency and fitness		3,000
132	**FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION**	**876,032**	**901,032**
	Program increase		25,000
151	**CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS**	**7,998**	**8,998**
	Program increase - cyber security training center		1,000
431	**ADMINISTRATION**	**74,309**	**78,309**
	Program increase - State Partnership Program		3,500
	Program increase - State Partnership virtual language		500
434	**OTHER PERSONNEL SUPPORT**	**251,714**	**248,214**
	Remove one-time fiscal year 2020 cost		-3,500
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-41,211**
	HISTORICAL UNOBLIGATION		**-5,000**
	UNJUSTIFIED GROWTH		**-60,000**

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

The agreement provides $6,785,853,000 for Operation and Maintenance, Air National Guard, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATION AND MAINTENANCE, AIR NATIONAL GUARD		
	BUDGET ACTIVITY 1: OPERATING FORCES		
	AIR OPERATIONS		
10	AIRCRAFT OPERATIONS	2,476,205	2,468,205
20	MISSION SUPPORT OPERATIONS	611,325	630,697
30	DEPOT MAINTENANCE	1,138,919	1,128,919
40	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	323,605	348,605
80	CYBERSPACE ACTIVITIES	16,380	16,380
80	CYBERSPACE SUSTAINMENT	27,028	27,028
50	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	1,100,828	1,100,828
60	BASE OPERATING SUPPORT	962,438	977,438
	TOTAL, BUDGET ACTIVITY 1	6,656,728	6,698,100
	BUDGET ACTIVITY 4: ADMIN & SERVICEWIDE ACTIVITIES		
	SERVICEWIDE ACTIVITIES		
70	ADMINISTRATION	48,218	48,218
80	RECRUITING AND ADVERTISING	48,696	45,696
	TOTAL, BUDGET ACTIVITY 4	96,914	93,914
	UNJUSTIFIED GROWTH	---	-40,000
	AUTHORIZATION ADJUSTMENT: RESTORE A-10	---	70,000
	HISTORICAL UNOBLIGATION	---	-10,000
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-26,161
	TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	6,753,642	6,785,853

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1	Budget Request	Final Bill
11F AIRCRAFT OPERATIONS	**2,476,205**	**2,468,205**
Insufficient justification		-8,000
11G MISSION SUPPORT OPERATIONS	**611,325**	**630,697**
Program increase - trauma training program		1,800
Program increase - State Partnership Program		1,500
Program increase - State Partnership virtual language		500
Program increase - Joint Terminal Attack Controller		8,000
Program increase - tuition assistance		4,000
Program increase - wildfire training		572
Program increase - warrior resiliency and fitness		3,000
11M DEPOT MAINTENANCE	**1,138,919**	**1,128,919**
Unjustified increase		-10,000
11R FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION	**323,605**	**348,605**
Program increase		25,000
11Z BASE OPERATING SUPPORT	**962,438**	**977,438**
Program increase - PFAS remediation		15,000
42J RECRUITING AND ADVERTISING	**48,696**	**45,696**
Insufficient justification		-3,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-26,161**
HISTORICAL UNOBLIGATION		**-10,000**
UNJUSTIFIED GROWTH		**-40,000**
AUTHORIZATION ADJUSTMENT - RESTORE A-10		**70,000**

UNITED STATES COURT OF APPEALS FOR THE ARMED FORCES

The agreement provides $15,211,000 for the United States Court of Appeals for the Armed Forces.

ENVIRONMENTAL RESTORATION, ARMY

The agreement provides $264,285,000, an increase of $56,767,000 above the budget request, for Environmental Restoration, Army.

ENVIRONMENTAL RESTORATION, NAVY

The agreement provides $421,250,000, an increase of $85,318,000 above the budget request, for Environmental Restoration, Navy. Specifically, $68,318,000 is provided as a general program increase and $17,000,000 is provided to address costs associated with remediating contamination caused by perfluorinated chemicals.

ENVIRONMENTAL RESTORATION, AIR FORCE

The agreement provides $509,250,000, an increase of $205,324,000 above the budget request, for Environmental Restoration, Air Force.

ENVIRONMENTAL RESTORATION, DEFENSE-WIDE

The agreement provides $19,952,000, an increase of $10,847,000 above the budget request, for Environmental Restoration, Defense-Wide.

ENVIRONMENTAL RESTORATION, FORMERLY USED DEFENSE SITES

The agreement provides $288,750,000, an increase of $72,163,000 above the budget request, for Environmental Restoration, Formerly Used Defense Sites.

OVERSEAS HUMANITARIAN, DISASTER, AND CIVIC AID

The agreement provides $147,500,000 for Overseas Humanitarian, Disaster, and Civic Aid, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Final Bill
FOREIGN DISASTER RELIEF	20,000	35,000
Program increase		15,000
HUMANITARIAN ASSISTANCE	74,900	90,000
Program increase		15,100
HUMANITARIAN MINE ACTION PROGRAM	15,000	22,500
Program increase		7,500
Total, Overseas Humanitarian, Disaster, and Civic Aid	109,900	147,500

COOPERATIVE THREAT REDUCTION ACCOUNT

The agreement provides $360,190,000 for the Cooperative Threat Reduction Account, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Final Bill
Strategic Offensive Arms Elimination	2,924	2,924
Chemical Security and Elimination	11,806	11,806
Global Nuclear Security	20,152	35,852
Program increase—Global Nuclear Security		15,700
Biological Threat Reduction Program	127,396	225,396
Program increase—Biological Threat Reduction Program		98,000
Proliferation Prevention Program	52,064	60,064
Program increase—Proliferation Prevention Program		8,000
Other Assessments/Admin Costs	24,148	24,148
Total, Cooperative Threat Reduction Account	238,490	360,190

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE DEVELOPMENT ACCOUNT

The agreement provides $88,181,000 for the Department of Defense Acquisition Workforce Development Account, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

[In thousands of dollars]

	Budget Request	Final Bill
TRAINING AND DEVELOPMENT	55,386	85,386
Program increase—acquisition workforce training		30,000
RETENTION AND RECOGNITION	1,358	1,358
RECRUITING AND HIRING	1,437	1,437
Total, Department of Defense Acquisition Workforce Development Account	58,181	88,181

FUNDING FOR THE DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE

The fiscal year 2021 President's budget request proposes to transfer $140,320,000 previously programmed in the Department of Defense Acquisition Workforce Development Account (DAWDA) to the Army, Navy, and Air Force operation and maintenance accounts for the acquisition workforce. These transfers are supported in this agreement, and the requirement to maintain visibility into funding for the acquisition workforce is addressed in the ''Operation and Maintenance'' section of this explanatory statement. In addition, the fiscal year 2021 President's budget request includes $58,181,000 in DAWDA. Support for the Department of Defense acquisition workforce is reiterated, and an additional $30,000,000 for DAWDA training and development is provided due to increased demands on the acquisition workforce.

It is expected that the Under Secretary of Defense (Comptroller), the Under Secretary of Defense (Acquisition and Sustainment), the Director, Cost Assessment and Program Evaluation, as well as the Service acquisition executives and Service financial managers and comptroller will continue to include clearly identified and appropriate funding requests for the Department of Defense acquisition workforce in DAWDA and the Services' operation and maintenance appropriation accounts.

DEPARTMENT OF DEFENSE ACQUISITION WORKFORCE REPORTING REQUIREMENTS

The Under Secretary for Defense (Acquisition and Sustainment) is directed to provide the Department of Defense Acquisition Workforce annual report to the congressional defense committees not later than 30 days after the submission of the fiscal year 2022 President's budget request. Further, as in previous years, the Under Secretary of Defense (Acquisition and Sustainment) is directed to provide to the congressional defense committees, with the submission of the fiscal year 2022 President's budget request, additional details regarding total funding for the acquisition workforce by funding category and appropriations accounts.

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 remains $10,000,000.

TITLE III—PROCUREMENT

The agreement provides $136,532,968,000 in Title III, Procurement, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
SUMMARY		
ARMY		
AIRCRAFT	3,074,594	3,457,342
MISSILES	3,491,507	3,220,541
WEAPONS AND TRACKED COMBAT VEHICLES	3,696,740	3,611,887
AMMUNITION	2,777,716	2,790,140
OTHER	8,625,206	8,603,112
TOTAL, ARMY	21,665,763	21,683,022
NAVY		
AIRCRAFT	17,127,378	19,480,280
WEAPONS	4,884,995	4,477,773
AMMUNITION	883,602	792,023
SHIPS	19,902,757	23,268,880
OTHER	10,948,518	10,512,209
MARINE CORPS	2,903,976	2,648,375
TOTAL, NAVY	56,651,226	61,179,540
AIR FORCE		
AIRCRAFT	17,908,145	19,212,753
MISSILES	2,396,417	2,142,181
AMMUNITION	596,338	550,844
OTHER	23,695,720	23,441,648
TOTAL, AIR FORCE	44,596,620	45,347,426
SPACE FORCE		
SPACE PROGRAMS	2,446,064	2,310,994
TOTAL, SPACE FORCE	2,446,064	2,310,994
DEFENSE-WIDE		
DEFENSE-WIDE	5,324,487	5,837,347
DEFENSE PRODUCTION ACT PURCHASES	181,931	174,639
TOTAL PROCUREMENT	130,866,091	136,532,968

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING)

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). Specifically, the dollar threshold for reprogramming funds shall be $10,000,000 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 the guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 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 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 statement.

FUNDING INCREASES

The funding increases outlined in these tables shall be provided only for the specific purposes indicated in the tables.

PROCUREMENT SPECIAL INTEREST ITEMS

Items for which additional funds have been recommended or items for which funding is specifically reduced as shown in the project level tables detailing recommended adjustments or in paragraphs using the phrase ''only for'' or ''only to'' in the 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 elsewhere in the explanatory statement.

BUDGETING FOR ADVANCE PROCUREMENT

Advance procurement (AP) appropriations are provided as an exception to the policy of full funding of end items. AP funding is, by policy, for procurement of long lead items when early procurement allows for production schedules to be maintained.

In the fiscal year 2020 President's budget request, the Navy planned to procure 12 CH–53Ks in fiscal year 2021 and therefore requested and was subsequently appropriated $215,000,000 in AP for those 12 aircraft. However, the fiscal year 2021 President's budget request includes $813,324,000 in Aircraft Procurement, Navy for the procurement of seven CH–53K helicopters, a reduction of $515,464,000 and a quantity of five aircraft from the amount identified in the prior year budget justification materials for fiscal year 2021. Not only did the Navy reduce the number of helicopters requested in fiscal year 2021 contrary to its prior year plans, it failed to fully budget for the procurement of the seven CH–53Ks requested. The budget request proposed to apply excess fiscal year 2020 AP appropriations to cover the balance of the fiscal year 2021 funding shortfall. This blurs the line between the purpose for AP funding and full funding of procurement items, which injects uncertainty into the industrial base, jeopardizes the stability of the program, and complicates oversight. In addition, downward adjustments to end items following the request for and receipt of advance procurement appropriations absent a clear rationale, such as a reduction in the acquisition objective or challenges with the industrial base, violate the agreement between the Department of Defense and the congressional defense committees with respect to granting exceptions to the full funding policy. Similar downward adjustments to end items following receipt of advance procurement appropriations occurred in the budget requests for the F–35A, F–35B, MQ–4, and several shipbuilding programs in recent years.

Therefore, the Under Secretary of Defense (Comptroller), in coordination with the Service acquisition executives, is directed to provide with the fiscal year 2022 President's budget request, and for each submission thereafter, for any program for which AP is requested, the following information to the congressional defense committees: a list of the long lead items to be procured and associated end item this material will be incorporated into, the quantity of each type of item, the unit cost of each type of item, the schedule for production of each of the items, an assessment of how much time and cost is saved by using advance procurement funding to buy the long lead items requested, and certification that the balance of the funds for end items is included in the budget submission.

ARSENAL SUSTAINMENT INITIATIVE

The agreement continues to support the Secretary 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 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 Secretary of the Army is encouraged 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 agreement 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 spare parts inventory of the Department of Defense, as required by Senate Report 114–63.

ARMY ORGANIC INDUSTRIAL BASE

The Secretary of the Army is directed to provide 45-day written notification to the congressional defense committees prior to 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, restoration of any lost capability to meet future organic wartime manufacturing needs.

AIRCRAFT PROCUREMENT, ARMY

The agreement provides $3,457,342,000 for Aircraft Procurement, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	AIRCRAFT PROCUREMENT, ARMY		
	AIRCRAFT		
	FIXED WING		
1	UTILITY F/W CARGO AIRCRAFT	---	82,000
3	FUTURE UAS FAMILY	1,100	1,100
4	RQ-11 (RAVEN)	20,851	16,551
	ROTARY		
7	AH-64 APACHE BLOCK IIIA REMAN	792,027	792,027
8	AH-64 APACHE BLOCK IIIA REMAN (AP-CY)	169,460	169,460
11	UH-60 BLACKHAWK (MYP)	742,998	862,096
12	UH-60 BLACKHAWK (MYP) (AP-CY)	87,427	87,427
13	UH-60 BLACKHAWK A AND L MODELS	172,797	165,197
14	CH-47 HELICOPTER	160,750	320,750
15	CH-47 HELICOPTER (AP-CY)	18,372	47,372
	TOTAL, AIRCRAFT	2,165,782	2,543,980
	MODIFICATION OF AIRCRAFT		
18	UNIVERSAL GROUND CONTROL EQUIPMENT	7,509	7,509
19	GRAY EAGLE MODS2	16,280	30,280
20	MULTI SENSOR ABN RECON (MIP)	35,864	35,864
21	AH-64 MODS	118,316	99,816
22	CH-47 CARGO HELICOPTER MODS	15,548	15,548
23	GRCS SEMA MODS (MIP)	2,947	2,947
24	ARL SEMA MODS (MIP)	9,598	9,598
25	EMARSS SEMA MODS (MIP)	2,452	2,452
26	UTILITY/CARGO AIRPLANE MODS	13,868	13,868
27	UTILITY HELICOPTER MODS	25,842	40,842
28	NETWORK AND MISSION PLAN	77,432	77,432
29	COMMS, NAV SURVEILLANCE	101,355	101,355
31	AVIATION ASSURED PNT	54,609	53,509
32	GATM ROLLUP	12,180	12,180
34	UAS MODS	4,204	4,204
	TOTAL, MODIFICATION OF AIRCRAFT	498,004	507,404

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	SUPPORT EQUIPMENT AND FACILITIES		
	GROUND SUPPORT AVIONICS		
35	AIRCRAFT SURVIVABILITY EQUIPMENT	49,455	44,455
36	SURVIVABILITY CM	8,035	8,035
37	CMWS	10,567	10,567
38	COMMON INFRARED COUNTERMEASURES	237,467	234,117
	OTHER SUPPORT		
39	AVIONICS SUPPORT EQUIPMENT	1,789	1,789
40	COMMON GROUND EQUIPMENT	17,584	17,584
41	AIRCREW INTEGRATED SYSTEMS	48,265	51,765
42	AIR TRAFFIC CONTROL	26,408	26,408
44	LAUNCHER, 2.75 ROCKET	2,256	2,256
45	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2	8,982	8,982
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES	410,808	405,958
	TOTAL, AIRCRAFT PROCUREMENT, ARMY	3,074,594	3,457,342

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
1	**UTILITY F/W AIRCRAFT**	**0**	**82,000**
	Program increase - EMARSS-E		82,000
4	**RQ-11 (RAVEN)**	**20,851**	**16,551**
	Spares acquisition strategy		-4,300
11	**UH-60 BLACKHAWK M MODEL (MYP)**	**742,998**	**862,096**
	Program increase - six HH-60M for the National Guard		141,000
	Excess fielding costs		-17,702
	Program management growth		-4,200
13	**UH-60 BLACKHAWK L AND V MODELS**	**172,797**	**165,197**
	UH-60V installation unit cost growth		-3,200
	H-60V installations previously funded		-4,400
14	**CH-47 HELICOPTER**	**160,750**	**320,750**
	Program increase - F Block II		160,000
15	**CH-47 HELICOPTER (AP-CY)**	**18,372**	**47,372**
	Program increase - F Block II		29,000
19	**GRAY EAGLE MODS2**	**16,280**	**30,280**
	Program increase - link 16 communications upgrade for MQ-1C		14,000
21	**AH-64 MODS**	**118,316**	**99,816**
	Sensors cost growth		-18,500
27	**UTILITY HELICOPTER MODS**	**25,842**	**40,842**
	Program increase - enhanced ballistic protection system		10,000
	Program increase - tail rotor drive system		5,000
31	**AVIATION ASSURED PNT**	**54,609**	**53,509**
	Program management maintain level of effort		-1,100
35	**AIRCRAFT SURVIVABILITY EQUIPMENT**	**49,455**	**44,455**
	Costs previously funded		-5,000
38	**COMMON INFRARED COUNTERMEASURES (CIRCM)**	**237,467**	**234,117**
	Unit cost growth		-3,350
41	**AIRCREW INTEGRATED SYSTEMS**	**48,265**	**51,765**
	Airframe kit install excess growth		-2,000
	Program increase - load stability systems		5,500

CHINOOK HELICOPTER

The agreement fully funds the request of six MH–47G retrofits and includes one CH–47F war replacement aircraft. In addition, the agreement provides sufficient funding for the first five F Block II aircraft in fiscal year 2021, and advance procurement funding to enable long-lead materials for the second lot of five F Block II aircraft in fiscal year 2022. The Chinook is the only heavy lift cargo helicopter in the Army inventory for which the Army currently has no replacement plans. Further, the Chief of Staff of the Army certified the need for Block II capability less than three years ago and the Department of Defense Appropriations Act, 2020 outlined certain expectations for future CH–47F Block II funding.

The Army has embarked upon an ambitious modernization initiative which has been supported by Congress and the Army must make difficult decisions to resource its plan. However, Army heavy lift capability will continue to be an essential part of the National Defense Strategy and its emphasis on near-peer competitors. Furthermore, the capability gaps that led to the Block II research and development efforts exist today, and significantly delaying improved heavy lift upgrades will defer important capability that is currently needed.

Finally, the Army's decision to delay production of CH–47 Block II aircraft has resulted in significant overhead costs being shifted onto the MH–47G line, even though congressional support of F Block II remains evident. The Secretary of the Army is directed to provide quarterly reports, not later than 30 days after the end of each fiscal quarter, to the House and Senate Appropriations Committees outlining budget execution data for the CH–47 Helicopter and advance procurement budget lines, including detailed obligation and expenditure of all overhead costs.

MISSILE PROCUREMENT, ARMY

The agreement provides $3,220,541,000 for Missile Procurement, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	MISSILE PROCUREMENT, ARMY		
	OTHER MISSILES		
	SURFACE-TO-AIR MISSILE SYSTEM		
2	M-SHORAD - PROCUREMENT	378,654	358,987
3	MSE MISSILE	603,188	501,563
4	PRECISION STRIKE MISSILE (PRSM)	49,941	49,941
5	INDIRECT FIRE PROTECTION CAPABILITY	106,261	62,461
	AIR-TO-SURFACE MISSILE SYSTEM		
6	HELLFIRE SYS SUMMARY	91,225	91,225
7	JOINT AIR-TO-GROUND MSLS (JAGM)	213,397	196,548
8	LONG RANGE PRESCISION MUNITION	45,307	38,107
	ANTI-TANK/ASSAULT MISSILE SYSTEM		
9	JAVELIN (AAWS-M) SYSTEM SUMMARY	190,325	181,325
10	TOW 2 SYSTEM SUMMARY	121,074	112,974
11	GUIDED MLRS ROCKET (GMLRS)	850,157	785,982
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR)	30,836	30,836
13	HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)	41,226	46,276
	TOTAL, OTHER MISSILES	2,721,591	2,456,225
	MODIFICATION OF MISSILES		
	MODIFICATIONS		
16	PATRIOT MODS	278,050	278,050
17	ATACMS MODS	141,690	136,090
20	AVENGER MODS	13,942	13,942
21	ITAS/TOW MODS	5,666	5,666
22	MLRS MODS	310,419	310,419
23	HIMARS MODIFICATIONS	6,081	6,081
	TOTAL, MODIFICATION OF MISSILES	755,848	750,248
	SPARES AND REPAIR PARTS		
24	SPARES AND REPAIR PARTS	5,090	5,090
	SUPPORT EQUIPMENT AND FACILITIES		
25	AIR DEFENSE TARGETS	8,978	8,978
	TOTAL, SUPPORT EQUIPMENT AND FACILITIES	8,978	8,978
	TOTAL, MISSILE PROCUREMENT, ARMY	3,491,507	3,220,541

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
2	**M-SHORAD - PROCUREMENT**	**378,654**	**358,987**
	Production costs previously funded		-4,067
	Unit cost growth		-15,600
3	**MSE MISSILE**	**603,188**	**501,563**
	MRT/ERT unit cost growth		-5,100
	Obsolescence		-6,725
	AUR unit cost growth		-89,800
5	**INDIRECT FIRE PROTECTION CAPABILITY INC 2-I**	**106,261**	**62,461**
	Army identified excess		-40,500
	Unit cost growth		-3,300
7	**JOINT AIR-TO-GROUND MSLS (JAGM)**	**213,397**	**196,548**
	Contract delays		-16,849
8	**LONG RANGE PRESCISION MUNITION**	**45,307**	**38,107**
	Acquisition strategy		-7,200
9	**JAVELIN (AAWS-M) SYSTEM SUMMARY**	**190,325**	**181,325**
	LWCLU schedule slips		-9,000
10	**TOW 2 SYSTEM SUMMARY**	**121,074**	**112,974**
	Unit cost growth		-1,000
	CAPS obsolescence concurrency		-2,350
	LAT prior year carryover		-4,750
11	**GUIDED MLRS ROCKET (GMLRS)**	**850,157**	**785,982**
	Excess tooling request		-5,000
	GMLRS unit cost growth		-57,300
	PVT forward financing		-1,875
13	**HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS)**	**41,226**	**46,276**
	Army requested transfer from OM,A line 121		10,000
	Fielding costs insufficient justification		-1,000
	Support costs insufficient justification		-3,950
17	**ATACMS MODS**	**141,690**	**136,090**
	Unit cost growth		-5,600

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

The agreement provides $3,611,887,000 for Procurement of Weapons and Tracked Combat Vehicles, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES (W&TCV), ARMY		
	TRACKED COMBAT VEHICLES		
2	ARMORED MULTI PURPOSE VEHICLE (AMPV)	192,971	63,000
	MODIFICATION OF TRACKED COMBAT VEHICLES		
4	STRYKER UPGRADE	847,212	1,164,152
5	BRADLEY PROGRAM (MOD)	493,109	277,259
6	M109 FOV MODIFICATIONS	26,893	26,893
7	PALADIN PIPM MOD IN SERVICE	435,825	463,425
9	ASSAULT BRIDGE (MOD)	5,074	5,074
10	ASSAULT BREACHER VEHICLE	19,500	19,500
11	M88 FOV MODS	18,382	18,382
12	JOINT ASSAULT BRIDGE	72,178	---
13	M1 ABRAMS TANK (MOD)	392,013	375,107
14	ABRAMS UPGRADE PROGRAM	1,033,253	968,094
	TOTAL, TRACKED COMBAT VEHICLES	3,536,410	3,380,886
	WEAPONS AND OTHER COMBAT VEHICLES		
15	M240 MEDIUM MACHINE GUN (7.62MM)	---	12,500
16	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPONS	17,864	17,864
18	MORTAR SYSTEMS	10,288	10,288
19	XM320 GRENADE LAUNCHER MODULE (GLM)	5,969	5,969
20	PRECISION SNIPER RIFLE	10,137	8,895
21	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM	999	999
22	CARBINE	7,411	5,411
23	NEXT GENERATION SQUAD WEAPON	35,822	35,822
24	COMMON REMOTELY OPERATED WEAPONS STATION	24,534	24,534
25	MODULAR HANDGUN SYSTEM	4,662	4,662
	MOD OF WEAPONS AND OTHER COMBAT VEH		
26	MK-19 GRENADE MACHINE GUN MODS	6,444	6,444
27	M777 MODS	10,983	9,783
28	M4 CARBINE MODS	4,824	4,824
31	M240 MEDIUM MACHINE GUN MODS	6,385	6,385
32	SNIPER RIFLES MODIFICATIONS	1,898	1,898
33	M119 MODIFICATIONS	2,009	2,009
34	MORTAR MODIFICATION	1,689	1,689

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
35	MODIFICATIONS LESS THAN $5.0M (WOCV-WTCV)	2,604	2,604
36	SUPPORT EQUIPMENT AND FACILITIES ITEMS LESS THAN $5.0M (WOCV-WTCV)	2,763	2,763
37	PRODUCTION BASE SUPPORT (WOCV-WTCV)	3,045	65,658
	TOTAL, WEAPONS AND OTHER COMBAT VEHICLES	160,330	231,001
	TOTAL, PROCUREMENT OF W&TCV, ARMY	3,696,740	3,611,887

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
2	**ARMORED MULTI PURPOSE VEHICLE (AMPV)**	**192,971**	**63,000**
	Early to need		-129,971
4	**STRYKER UPGRADE**	**847,212**	**1,164,152**
	Program increase		340,000
	Program increase - Stryker Terrestrial Layer System		35,000
	CROWS-J delay		-39,160
	Revised vehicle pricing		-18,900
5	**BRADLEY PROGRAM (MOD)**	**493,109**	**277,259**
	Excess carryover		-17,350
	TADSS excess growth		-5,000
	Revised Underbelly Interim Solution pricing		-17,229
	System technical support forward financing		-15,157
	Army identified production delays		-161,114
7	**PALADIN INTEGRATED MANAGEMENT (PIM)**	**435,825**	**463,425**
	Program increase - seven vehicles		54,600
	Unit cost growth		-27,000
12	**JOINT ASSAULT BRIDGE**	**72,178**	**0**
	Testing delays		-72,178
13	**M1 ABRAMS TANK (MOD)**	**392,013**	**375,107**
	APS excess to need		-11,171
	Excess carryover		-5,735
14	**ABRAMS UPGRADE PROGRAM**	**1,033,253**	**968,094**
	Excess carryover		-9,377
	Price savings		-55,782
15	**M240 MEDIUM MACHINE GUN (7.62MM)**	**0**	**12,500**
	Program increase - M240 medium machine gun		12,500
20	**PRECISION SNIPER RIFLE**	**10,137**	**8,895**
	Revised hardware costs		-1,242
22	**CARBINE**	**7,411**	**5,411**
	Contradiction in budget justification and program brief for PMO		-2,000
27	**M777 MODS**	**10,983**	**9,783**
	M777 retrofit forward financing		-1,200
37	**PRODUCTION BASE SUPPORT (WOCV-WTCV)**	**3,045**	**65,658**
	JSMC-Lima - Army requested transfer from line 5		20,871
	RIA-JMTC - Army requested transfer from line 5		20,871
	Watervliet - Army requested transfer from line 5		20,871

MK93 MACHINE GUN MOUNT UPGRADE PROGRAM

The agreement encourages the Secretary of the Army to include funding for the Mk93 machine gun mount upgrade in the fiscal year 2022 President's budget request. Further the Secretary of the Army is directed to provide a report to the congressional defense committees, not later than 90 days after the enactment of this Act, which details plans to implement the Mk93 machine gun mount upgrade.

PROCUREMENT OF AMMUNITION, ARMY

The agreement provides $2,790,140,000 for Procurement of Ammunition, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT OF AMMUNITION, ARMY		
	AMMUNITION		
	SMALL/MEDIUM CAL AMMUNITION		
1	CTG, 5.56MM, ALL TYPES	68,472	63,403
2	CTG, 7.62MM, ALL TYPES	109,933	103,303
3	NEXT GENERATION SQUAD WEAPON AMMUNITION	11,988	11,988
4	CTG, HANDGUN, ALL TYPES	853	853
5	CTG, .50 CAL, ALL TYPES	58,280	57,927
6	CTG, 20MM, ALL TYPES	31,708	31,708
7	CTG, 25MM, ALL TYPES	9,111	9,111
8	CTG, 30MM, ALL TYPES	58,172	55,896
9	CTG, 40MM, ALL TYPES	114,638	109,934
	MORTAR AMMUNITION		
10	60MM MORTAR, ALL TYPES	31,222	31,222
11	81MM MORTAR, ALL TYPES	42,857	42,857
12	120MM MORTAR, ALL TYPES	107,762	117,762
	TANK AMMUNITION		
13	CTG TANK 105MM AND 120MM: ALL TYPES	233,444	231,955
	ARTILLERY AMMUNITION		
14	CTG, ARTY, 75MM AND 105MM: ALL TYPES	35,963	35,963
15	ARTILLERY PROJECTILE, 155MM, ALL TYPES	293,692	306,292
16	PROJ 155MM EXTENDED RANGE XM982	69,159	54,412
17	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES	232,913	225,337
	MINES		
18	MINES AND CLEARING CHARGES, ALL TYPES	65,278	48,966
19	CLOSE TERRAIN SHAPING OBSTACLE	4,995	4,995
	ROCKETS		
20	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	69,112	69,112
21	ROCKET, HYDRA 70, ALL TYPES	125,915	125,915
	OTHER AMMUNITION		
22	CAD/PAD ALL TYPES	8,891	8,891
23	DEMOLITION MUNITIONS, ALL TYPES	54,043	54,043
24	GRENADES, ALL TYPES	28,931	32,931
25	SIGNALS, ALL TYPES	27,036	27,036
26	SIMULATORS, ALL TYPES	10,253	10,253

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	MISCELLANEOUS		
27	AMMO COMPONENTS, ALL TYPES	3,476	3,476
29	ITEMS LESS THAN $5 MILLION	10,569	10,569
30	AMMUNITION PECULIAR EQUIPMENT	12,338	12,338
31	FIRST DESTINATION TRANSPORTATION (AMMO)	15,908	15,908
32	CLOSEOUT LIABILITIES	99	99
	TOTAL, AMMUNITION	1,947,011	1,914,455
	AMMUNITION PRODUCTION BASE SUPPORT		
	PRODUCTION BASE SUPPORT		
33	PROVISION OF INDUSTRIAL FACILITIES	592,224	684,224
34	CONVENTIONAL MUNITIONS DEMILITARIZATION, ALL	235,112	188,092
35	ARMS INITIATIVE	3,369	3,369
	TOTAL, AMMUNITION PRODUCTION BASE SUPPORT	830,705	875,685
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY	2,777,716	2,790,140

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
1	**CTG, 5.56MM, ALL TYPES**	**68,472**	**63,403**
	E04607 unit cost growth		-2,178
	E095700 unit cost growth		-2,891
2	**CTG, 7.62MM, ALL TYPES**	**109,933**	**103,303**
	E01902 unit cost growth		-2,983
	E02012 unit cost growth		-3,647
5	**CTG, .50 CAL, ALL TYPES**	**58,280**	**57,927**
	E07302 unit cost growth		-353
8	**CTG, 30MM, ALL TYPES**	**58,172**	**55,896**
	E09191 unit cost growth		-1,980
	E10100 excess production engineering cost		-296
9	**CTG, 40MM, ALL TYPES**	**114,638**	**109,934**
	E05611 production engineering previously funded		-4,704
12	**120MM MORTAR, ALL TYPES**	**107,762**	**117,762**
	Program increase - 120mm mortars, M929		10,000
13	**CTG TANK 105MM AND 120MM: ALL TYPES**	**233,444**	**231,955**
	E73201 unit cost growth		-1,489
15	**ARTILLERY PROJECTILE, 155MM, ALL TYPES**	**293,692**	**306,292**
	Program increase - XM1128		15,000
	E68510 excess production engineering		-2,400
16	**PROJ 155MM EXTENDED RANGE XM982**	**69,159**	**54,412**
	E80103 unit cost growth		-14,747
17	**ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES**	**232,913**	**225,337**
	MOFA early to need		-7,576
18	**MINES AND CLEARING CHARGES, ALL TYPES**	**65,278**	**48,966**
	Excess to need		-16,312
24	**GRENADES, ALL TYPES**	**28,931**	**32,931**
	Program increase - grenades, M14 and M18		4,000
33	**PROVISION OF INDUSTRIAL FACILITIES**	**592,224**	**684,224**
	Program increase - safety and environmental upgrades		84,000
	Program increase - lightweight ammunition manufacturing		8,000
34	**CONVENTIONAL MUNITIONS DEMILITARIZATION**	**235,112**	**188,092**
	Reduce carryover		-47,020

ARMY NON-LETHAL CONDUCTIVE ELECTRICAL WEAPON UPGRADE

The Army currently is working to upgrade its existing stocks of Conductive Electrical Weapons (CEWs), which are five years past their recommended end-of-life date. Functionality is critical at the moment personnel determine non-lethal force is warranted, but currently deployed taser CEWs have an unacceptably high risk of failing to operate when most needed, which could necessitate an escalation to lethal force. The Secretary of the Army is encouraged to proceed with the ongoing qualification efforts. There is concern over the lack of any published plan to immediately transition from qualification to procurement and deployment. This raises a concern that the Army will still be using outdated and unsupported CEW models even after qualification occurs. Therefore, the Assistant Secretary of the Army (Acquisition, Logistics and Technology) is directed to submit a report to the congressional defense committees, not later than 60 days after the enactment of this Act, detailing a five-year upgrade plan for CEWs, including whether the Army has considered the possible benefits of a continuous support and upgrade plan.

OTHER PROCUREMENT, ARMY

The agreement provides $8,603,112,000 for Other Procurement, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OTHER PROCUREMENT, ARMY		
	TACTICAL AND SUPPORT VEHICLES		
	TACTICAL VEHICLES		
1	TACTICAL TRAILERS/DOLLY SETS	12,986	9,653
2	SEMITRAILERS, FLATBED:	31,443	22,460
3	SEMITRAILERS, TANKERS	17,082	17,082
4	HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)	44,795	126,747
5	GROUND MOBILITY VEHICLES (GMV)	37,932	29,247
6	ARNG HMMWV MODERNIZATION PROGRAM	---	100,000
8	JOINT LIGHT TACTICAL VEHICLE FAMILY OF VEHICLES	894,414	884,414
9	TRUCK, DUMP, 20t (CCE)	29,368	29,368
10	FAMILY OF MEDIUM TACTICAL VEH (FMTV)	95,092	181,092
11	FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLE (C)	999	9,249
12	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIPMEN	27,687	27,687
14	PLS ESP	21,969	19,771
15	HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV	65,635	92,619
16	HMMWV RECAPITALIZATION PROGRAM	5,927	---
17	TACTICAL WHEELED VEHICLE PROTECTION KITS	36,497	36,497
18	MODIFICATION OF IN SVC EQUIP	114,977	56,112
	NON-TACTICAL VEHICLES		
20	PASSENGER CARRYING VEHICLES	1,246	1,246
21	NONTACTICAL VEHICLES, OTHER	19,870	---
	TOTAL, TACTICAL AND SUPPORT VEHICLES	1,457,919	1,643,244
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT		
	COMM - JOINT COMMUNICATIONS		
22	SIGNAL MODERNIZATION PROGRAM	160,469	151,179
23	TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE	360,379	347,782
24	SITUATION INFORMATION TRANSPORT	63,396	63,396
26	JCSE EQUIPMENT (USREDCOM)	5,170	5,170
	COMM - SATELLITE COMMUNICATIONS		
29	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS	101,498	101,498
30	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	72,450	106,750
31	SHF TERM	13,173	13,173
32	ASSURED POSITIONING, NAVIGATION AND TIMING	134,928	128,387
33	SMART-T (SPACE)	8,611	8,611

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
34	GLOBAL BRDCST SVC - GBS	8,191	8,191
	COMM - COMBAT SUPPORT COMM		
	COMM - C3 SYSTEM		
36	COE TACTICAL SERVER INFRASTRUCTURE (TSI)	94,871	86,198
	COMM - COMBAT COMMUNICATIONS		
37	HANDHELD MANPACK SMALL FORM FIT (HMS)	550,848	545,648
38	RADIO TERMINAL SET, MIDS LVT(2)	8,237	8,237
41	SPIDER FAMILY OF NETWORKED MUNITIONS INCR	13,967	---
43	UNIFIED COMMAND SUITE	19,579	19,579
44	COTS COMMUNICATIONS EQUIPMENT	94,156	108,556
45	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	18,313	18,313
46	ARMY COMMUNICATIONS & ELECTRONICS	51,480	51,480
	COMM - INTELLIGENCE COMM		
48	CI AUTOMATION ARCHITECTURE (MIP)	13,146	13,146
49	DEFENSE MILITARY DECEPTION INITIATIVE	5,624	5,624
	INFORMATION SECURITY		
51	INFORMATION SYSTEM SECURITY PROGRAM-ISSP	4,596	4,596
52	COMMUNICATIONS SECURITY (COMSEC)	159,272	159,272
53	DEFENSIVE CYBER OPERATIONS	54,753	41,153
54	INSIDER THREAT PROGRAM - UNIT ACTIVITY MONITOR	1,760	1,760
56	ITEMS LES THAN $5M (INFO SECURITY)	260	260
	COMM - LONG HAUL COMMUNICATIONS		
57	BASE SUPPORT COMMUNICATIONS	29,761	29,761
	COMM - BASE COMMUNICATIONS		
58	INFORMATION SYSTEMS	147,696	147,696
59	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM	4,900	---
60	HOME STATION MISSION COMMAND CENTERS (MSMCC)	15,227	15,227
61	JOINT INFORMATION ENVIRONMENT (JIE)	3,177	3,177
62	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	300,035	269,720
	ELECT EQUIP		
	ELECT EQUIP - TACT INT REL ACT (TIARA)		
65	JTT/CIBS-M (MIP)	5,304	5,304
66	TERRESTRIAL LAYER SYSTEMS (TLS) (MIP)	8,081	8,081
68	DCGS-A (MIP)	151,886	149,886
70	TROJAN (MIP)	17,593	17,593

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)	28,558	66,058
73	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP)	999	999
	ELECT EQUIP - ELECTRONIC WARFARE (EW)		
75	LIGHTWEIGHT COUNTER MORTAR RADAR	5,332	5,332
76	EW PLANNING AND MANAGEMENT TOOLS	7,849	7,849
77	AIR VIGILANCE (AV)	8,160	8,160
79	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST	8,669	8,669
82	CI MODERNIZATION (MIP)	300	300
	ELECT EQUIP - TACTICAL SURV. (TAC SURV)		
83	SENTINEL MODS	58,884	58,884
84	NIGHT VISION DEVICES	1,127,375	867,180
86	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF	13,954	7,715
88	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	10,069	20,069
89	FAMILY OF WEAPON SIGHTS (FWS)	133,590	86,389
91	JOINT BATTLE COMMAND - PLATFORM (JBC-P)	243,850	243,850
92	JOINT EFFECTS TARGETING SYSTEM (JETS)	69,641	54,206
94	COMPUTER BALLISTICS: LHMBC XM32	7,509	7,509
95	MORTAR FIRE CONTROL SYSTEM	3,800	3,800
96	MORTAR FIRE CONTROL SYSTEM MODIFICATIONS	7,292	7,292
97	COUNTERFIRE RADARS	72,421	71,404
	ELECT EQUIP - TACTICAL C2 SYSTEMS		
98	ARMY COMMAND POST INTEGRATED INFRASTRUCTURE	49,947	23,000
99	FIRE SUPPORT C2 FAMILY	9,390	9,390
100	AIR & MSL DEFENSE PLANNING & CONTROL SYS (AMD	47,374	47,374
101	IAMD BATTLE COMMAND SYSTEM	201,587	198,587
102	LIFE CYCLE SOFTWARE SUPPORT (LCSS)	4,495	2,495
103	NETWORK MANAGEMENT INITIALIZATION AND SERVICE	18,651	18,651
105	GLOBAL COMBAT SUPPORT SYSTEM-ARMY	2,792	2,792
106	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY	9,071	9,071
107	RECONNAISSANCE AND SURVEYING INSTRUMENT SET	12,117	12,117
108	MOD OF IN-SERVICE EQUIPMENT (ENFIRE)	3,004	14,004
	ELECT EQUIP - AUTOMATION		
109	ARMY TRAINING MODERNIZATION	14,574	14,574
110	AUTOMATED DATA PROCESSING EQUIPMENT	140,619	134,635

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
111	GENERAL FUND ENTERPRISE BUSINESS SYSTEM	4,448	4,448
112	HIGH PERF COMPUTING MOD PROGRAM	68,405	88,405
113	CONTRACT WRITING SYSTEM	8,459	2,459
114	CSS COMMUNICATIONS	57,651	51,129
115	RESERVE COMPONENT AUTOMATION SYS (RCAS)	14,848	14,848
	ELECT EQUIP - AUDIO VISUAL SYS (A/V)		
117	ITEMS LESS THAN $5M (SURVEYING EQUIPMENT)	4,995	4,995
	ELECT EQUIP - SUPPORT		
119	BCT EMERGING TECHNOLOGIES	16,983	8,491
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	5,200,449	4,831,534
	OTHER SUPPORT EQUIPMENT		
	CHEMICAL DEFENSIVE EQUIPMENT		
121	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	---	7,000
123	CBRN DEFENSE	28,456	28,456
124	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM)	13,995	13,995
	BRIDGING EQUIPMENT		
125	TACTICAL BRIDGING	10,545	10,545
126	TACTICAL BRIDGE, FLOAT-RIBBON	72,074	72,074
127	BRIDGE SUPPLEMENTAL SET	32,493	32,493
128	COMMON BRIDGE TRANSPORTER RECAP	62,978	55,032
	ENGINEER (NON-CONSTRUCTION) EQUIPMENT		
129	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST	5,570	5,570
130	GROUND STANDOFF MINE DETECTION SYSTEM (GSTAMIDS)	2,497	2,497
132	HUSKY MOUNTED DETECTION SYSTEM (HMDS)	109,069	95,608
134	EOD ROBOTICS SYSTEMS RECAPITALIZATION	36,584	36,584
135	ROBOTICS AND APPLIQUE SYSTEMS	179,544	172,744
137	RENDER SAFE SETS KITS OUTFITS	64,583	64,583
139	FAMILY OF BOATS AND MOTORS	5,289	5,289
	COMBAT SERVICE SUPPORT EQUIPMENT		
140	HEATERS AND ECU'S	8,200	8,200
142	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	4,625	4,625
143	GROUND SOLDIER SYSTEM	154,937	137,481
144	MOBILE SOLDIER POWER	34,297	34,297
145	FORCE PROVIDER	---	6,000
147	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	53,021	53,021

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
148	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS	23,324	23,324
149	ITEMS LESS THAN $5M (ENG SPT)	8,014	8,014
	PETROLEUM EQUIPMENT		
150	DISTRIBUTION SYSTEMS, PETROLEUM & WATER	78,448	72,348
	MEDICAL EQUIPMENT		
151	COMBAT SUPPORT MEDICAL	59,485	69,485
	MAINTENANCE EQUIPMENT		
152	MOBILE MAINTENANCE EQUIPMENT SYSTEMS	40,337	160,337
153	ITEMS LESS THAN $5.0M (MAINT EQ)	5,386	5,386
	CONSTRUCTION EQUIPMENT		
154	GRADER, ROAD MTZD, HVY, 6X4 (CCE)	5,406	5,406
155	SCRAPERS, EARTHMOVING	4,188	4,188
156	LOADERS	4,521	4,521
157	HYDRAULIC EXCAVATOR	5,186	5,186
158	TRACTOR, FULL TRACKED	4,715	4,715
159	ALL TERRAIN CRANES	70,560	70,560
162	CONST EQUIP ESP	8,925	8,925
	RAIL FLOAT CONTAINERIZATION EQUIPMENT		
164	ARMY WATERCRAFT ESP	40,910	40,910
165	MANEUVER SUPPORT VESSEL (MSV)	76,576	76,576
166	ITEMS LESS THAN $5.0M (FLOAT/RAIL)	1,844	1,844
	GENERATORS		
167	GENERATORS AND ASSOCIATED EQUIPMENT	53,433	101,133
168	TACTICAL ELECTRIC POWER RECAPITALIZATION	22,216	22,216
	MATERIAL HANDLING EQUIPMENT		
169	FAMILY OF FORKLIFTS	16,145	16,110
	TRAINING EQUIPMENT		
170	COMBAT TRAINING CENTERS SUPPORT	90,580	90,580
171	TRAINING DEVICES, NONSYSTEM	161,814	161,814
172	SYNTHETIC TRAINING ENVIRONMENT (STE)	13,063	13,063
175	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING	1,950	1,950
	TEST MEASURE AND DIG EQUIPMENT (TMD)		
176	CALIBRATION SETS EQUIPMENT	2,511	2,511
177	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	78,578	77,214

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
178	TEST EQUIPMENT MODERNIZATION (TEMOD)	14,941	14,941
	OTHER SUPPORT EQUIPMENT		
180	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	8,629	8,629
181	PHYSICAL SECURITY SYSTEMS (OPA3)	75,499	77,251
182	BASE LEVEL COM'L EQUIPMENT	27,444	15,650
183	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	32,485	66,485
187	SPECIAL EQUIPMENT FOR TEST AND EVALUATION	39,436	39,436
	TOTAL, OTHER SUPPORT EQUIPMENT	1,955,306	2,116,802
	SPARE AND REPAIR PARTS		
189	INITIAL SPARES - C&E	9,950	9,950
999	CLASSIFIED PROGRAMS	1,582	1,582
	TOTAL, OTHER PROCUREMENT, ARMY	8,625,206	8,603,112

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
1	**TACTICAL TRAILERS/DOLLY SETS**	**12,986**	**9,653**
	Insufficient acquisition strategy		-3,333
2	**SEMITRAILERS, FLATBED**	**31,443**	**22,460**
	M870 previously funded		-4,745
	25-ton low bed production verification testing early to need		-4,238
4	**HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE (HMMWV)**	**44,795**	**126,747**
	Transfer from line 16		5,927
	Transfer from line 18		76,025
5	**GROUND MOBILITY VEHICLES (GMV)**	**37,932**	**29,247**
	Infantry Squad Vehicle - Army requested transfer to RDTE,A line 126		-2,289
	Anticipated unit cost savings		-6,396
6	**ARNG HMMWV MODERNIZATION PROGRAM**	**0**	**100,000**
	Program increase		100,000
8	**JOINT LIGHT TACTICAL VEHICLE**	**894,414**	**884,414**
	Excess support costs		-10,000
10	**FAMILY OF MEDIUM TACTICAL VEH (FMTV)**	**95,092**	**181,092**
	Program increase		86,000
11	**FAMILY OF COLD WEATHER ALL-TERRAIN VEHICLES**	**999**	**9,249**
	Program increase - Arctic overland mobility		8,250
14	**PLS ESP**	**21,969**	**19,771**
	Anticipated unit cost savings		-2,198
15	**HEAVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV**	**65,635**	**92,619**
	Program increase		33,500
	HETS costs previously funded		-6,500
	M983A4 unit cost growth		-16
16	**HMMWV RECAPITALIZATION PROGRAM**	**5,927**	**0**
	Transfer to line 4		-5,927
18	**MODIFICATION OF IN SVC EQUIP**	**114,977**	**56,112**
	LTV modification - transfer to line 4		-76,025
	Program increase - ABS/ESC		17,160
21	**NONTACTICAL VEHICLES, OTHER**	**19,870**	**0**
	Excess carryover		-19,870
22	**SIGNAL MODERNIZATION PROGRAM**	**160,469**	**151,179**
	Hardware pricing adjustments		-9,290
23	**TACTICAL NETWORK TECHNOLOGY MOD IN SERVICE**	**360,379**	**347,782**
	Engineering unjustified growth		-7,217
	Services previously funded		-5,380

P-1		Budget Request	Final Bill
30	**TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS**	**72,450**	**106,750**
	T2C2 unit cost growth		-3,700
	Program increase - tactical network extension		38,000
32	**ASSURED POSITIONING, NAVIGATION AND TIMING**	**134,928**	**128,387**
	Mounted APNT excess carryover		-6,541
36	**COE TACTICAL SERVER INFRASTRUCTURE (TSI)**	**94,871**	**86,198**
	Post deployment software previously funded		-5,921
	Contract management growth		-2,752
37	**HANDHELD MANPACK SMALL FORM FIT (HMS)**	**550,848**	**545,648**
	System technical support excess growth		-5,200
41	**SPIDER FAMILY OF NETWORKED MUNITIONS INCREASE**	**13,967**	**0**
	Program cancellation		-13,967
44	**COTS COMMUNICATIONS EQUIPMENT**	**94,156**	**108,556**
	Excess carryover		-3,600
	Program increase - radio software license		18,000
53	**DEFENSIVE CYBER OPERATIONS**	**54,753**	**41,153**
	GDP unit cost differences		-1,600
	Program management - Army requested transfer to RDTE,A line 267		-12,000
59	**EMERGENCY MANAGEMENT MODERNIZATION PROGRAM**	**4,900**	**0**
	Excess carryover		-4,900
62	**INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM**	**300,035**	**269,720**
	SWA and CONUS reduce carryover		-30,315
68	**DCGS-A (MIP)**	**151,886**	**149,886**
	Fielding previously funded		-2,000
71	**MOD OF IN-SVC EQUIP (INTEL SPT) (MIP)**	**28,558**	**66,058**
	Program increase - TEWS		37,500
84	**NIGHT VISION DEVICES**	**1,127,375**	**867,180**
	IVAS ahead of need		-235,569
	ENVG-B contract delays		-26,626
	Program increase - night vision test system		2,000
86	**SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF**	**13,954**	**7,715**
	Excess carryover		-6,239
88	**INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS**	**10,069**	**20,069**
	Program increase - C-RAM warn communications enhancements		10,000
89	**FAMILY OF WEAPON SIGHTS (FWS)**	**133,590**	**86,389**
	FWS-I unit cost growth		-15,340
	FWS-CS early to need		-31,861

P-1		Budget Request	Final Bill
92	**JOINT EFFECTS TARGETING SYSTEM (JETS)**	**69,641**	**54,206**
	Production delays		-20,435
	Program increase		5,000
97	**COUNTERFIRE RADARS**	**72,421**	**71,404**
	Reduce fielding carryover		-1,017
98	**ARMY COMMAND POST INTEGRATED INFRASTRUCTURE**	**49,947**	**23,000**
	Ahead of need		-26,947
101	**IAMD BATTLE COMMAND SYSTEM**	**201,587**	**198,587**
	Government program management excess		-3,000
102	**LIFE CYCLE SOFTWARE SUPPORT (LCSS)**	**4,495**	**2,495**
	Excess carryover		-2,000
108	**MOD OF IN-SERVICE EQUIPMENT (ENFIRE)**	**3,004**	**14,004**
	Program increase - land surveying systems		11,000
110	**AUTOMATED DATA PROCESSING EQUIPMENT**	**140,619**	**134,635**
	AIE travel costs excess		-2,000
	Accessions Information Environment licenses excess to need		-3,984
112	**HIGH PERF COMPUTING MOD PROGRAM**	**68,405**	**88,405**
	Program increase - virtual prototyping capability		20,000
113	**CONTRACT WRITING SYSTEM**	**8,459**	**2,459**
	Reduce carryover		-6,000
114	**CSS COMMUNICATIONS**	**57,651**	**51,129**
	Unit cost growth		-6,522
119	**BCT EMERGING TECHNOLOGIES**	**16,983**	**8,491**
	Fiscal year 2019 carryover		-8,492
121	**FAMILY OF NON-LETHAL EQUIPMENT (FNLE)**	**0**	**7,000**
	Program increase - acoustic hailing device		7,000
128	**COMMON BRIDGE TRANSPORTER RECAP**	**62,978**	**55,032**
	Unit cost discrepancies		-7,946
132	**HUSKY MOUNTED DETECTION SYSTEM (HMDS)**	**109,069**	**95,608**
	Wire detection kits hardware expected contract savings		-12,334
	Ground penetrating radar initial spares expected contract savings		-1,127
135	**ROBOTICS AND APPLIQUE SYSTEMS**	**179,544**	**172,744**
	CRS-I oversight excess growth		-2,000
	SMET contract delay		-4,800
143	**GROUND SOLDIER SYSTEM**	**154,937**	**137,481**
	Unit cost discrepancies		-17,456
145	**FORCE PROVIDER**	**0**	**6,000**
	Program increase - expeditionary shelter protection systems		6,000

P-1	Budget Request	Final Bill
150 DISTRIBUTION SYSTEMS, PETROLEUM & WATER	**78,448**	**72,348**
MFS cost savings		-4,100
E2FDS data unjustified growth		-2,000
151 COMBAT SUPPORT MEDICAL	**59,485**	**69,485**
Program increase - combat support hospital deployable infrastructure		10,000
152 MOBILE MAINTENANCE EQUIPMENT SYSTEMS	**40,337**	**160,337**
Program increase - next generation HMMWV shop equipment		120,000
167 GENERATORS AND ASSOCIATED EQUIPMENT	**53,433**	**101,133**
Program increase - AMMPS		47,700
169 FAMILY OF FORKLIFTS	**16,145**	**16,110**
Unit cost growth		-35
177 INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	**78,578**	**77,214**
ICE WATS previously funded		-1,364
181 PHYSICAL SECURITY SYSTEMS (OPA3)	**75,499**	**77,251**
Program increase - biometric fast lanes		5,000
Unjustified request		-3,248
182 BASE LEVEL COMMON EQUIPMENT	**27,444**	**15,650**
Unjustified program growth		-11,794
183 MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	**32,485**	**66,485**
Program increase - RTCH modernization		20,000
Program increase - containerized icemaking systems		14,000

FAMILY OF MEDIUM TACTICAL VEHICLES

The Program Executive Officer, Combat Support and Combat Service Support (PEO CS&CSS) has engaged in open dialogue regarding the transition of Family of Medium Tactical Vehicles (FMTV) from A1P2 to A2 vehicle variants. The Secretary of the Army is encouraged to continue pursuing the A2 variant. The Army historically has reported a Minimum Sustaining Rate (MSR) of one new vehicle per manufacturing day for the FMTV program and has programmed funding accordingly; however, recently the Army has acknowledged an actual MSR of three new vehicles per day. Failing to adequately program FMTV funding at the actual MSR risks negatively impacting the FMTV supply chain, which risks the health of the program. Interruption of the program would negatively impact Army readiness and modernization, erode the industrial base capacity, and add cost due to production breaks.

The agreement includes an additional $86,000,000 for the FMTV program and the PEO CS&CSS is expected to program funding at the MSR of three new vehicles per manufacturing day. The PEO CS&CSS is further expected to reflect this revised FMTV MSR in budget justification materials commencing with the fiscal year 2022 budget request. Due to concerns with the FMTV supply chain, the Secretary of the Army is directed to provide a briefing not later than 90 days after the enactment of this Act to the congressional defense committees detailing its acquisition and budget plan to support the MSR of three new vehicles per manufacturing day through the remainder of the current contract.

ARCTIC OVERLAND MOBILITY

The Secretary of the Army is encouraged to pursue equipment and vehicles necessary for the Arctic and other cold weather environments. As such, the agreement includes $8,250,000 above the fiscal year 2021 President's budget request for the Family of Cold Weather Vehicles to expedite planned procurement. In addition to funding, not later than 60 days after the enactment of this Act, the Assistant Secretary of the Army (Acquisition, Logistics, and Technology) is directed to submit a report to the congressional defense committees on Arctic overland mobility capabilities. The report shall include a description and assessment of current capabilities, requirements, and operational challenges for cold weather tracked vehicles; an assessment of the current family of cold weather all-terrain vehicle program, together with a detailed justification of the current procurement timeline for that program; and an assessment of requirements for a joint program.

INTEGRATED VISUAL AUGMENTATION SYSTEM

The Army's efforts to modernize the force and maintain squad level overmatch against peer competitors is commendable, particularly the Army's iterative development approach. The Integrated Visual Augmentation System (IVAS) program includes a continual feedback cycle with industry and soldiers through both instrumented test and qualitative measurements. The agreement includes funding that will enable the start of procurement in support of the Army's plans to provide equipment to Close Combat Forces.

The IVAS program is pursuing an aggressive fielding schedule to a large population of Close Combat Forces, resulting in a significant low-rate initial production procurement for an end-item that has not been operationally tested using production representative units, or its militarized form factor, as is planned for Soldier Touch Point Four. While the technology represents a potential leap-ahead in capability, it is essential that an appropriate amount of operational testing, including use by soldiers in realistic combat conditions with production representative units, inform the Army's decision to move to large-scale procurement. Therefore, the Program Executive Officer Soldier, in coordination with the program manager for IVAS, is directed to provide a briefing to the congressional defense committees, not later than 60 days after conclusion of Soldier Touch Point Four, to identify hardware and software design changes that will be incorporated into the final form factor prior to initiation of the first procurement lot.

Further, beginning with the fiscal year 2022 President's budget request, the program manager for IVAS is directed to provide the following information as cost elements within the P–40 budget line item justification, P–5 cost analysis, and P–5A procurement history and planning budget exhibits for IVAS: heads up display, puck, conformal wearable battery, IVAS radio, advance battery charger, and tactical cloud package. For each item, quantity, unit cost, contract award schedule, and manufacturer information should be provided. The program budget briefings should include information about the size of the force that will receive the hardware and software requested in the budget year. The program manager is encouraged to provide any additional information, including additional cost elements, that will add clarity and specificity regarding overall procurement within the multibillion dollar investment.

AIRCRAFT PROCUREMENT, NAVY

The agreement provides $19,480,280,000 for Aircraft Procurement, Navy, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	AIRCRAFT PROCUREMENT, NAVY		
	COMBAT AIRCRAFT		
1	F/A-18E/F (FIGHTER) HORNET (MYP)	1,761,146	1,725,400
3	JOINT STRIKE FIGHTER CV	2,181,780	2,774,797
4	JOINT STRIKE FIGHTER CV (AP-CY)	330,386	326,147
5	JSF STOVL	1,109,393	1,172,830
6	JSF STOVL (AP-CY)	303,035	303,035
7	CH-53K (HEAVY LIFT)	813,324	1,107,617
8	CH-53K (HEAVY LIFT) (AP-CY)	201,188	201,188
9	V-22 (MEDIUM LIFT)	934,793	1,237,232
10	V-22 (MEDIUM LIFT) (AP-CY)	39,547	39,547
11	UH-1Y/AH-1Z	7,267	3,816
13	P-8A POSEIDON	80,134	1,575,000
15	E-2D ADV HAWKEYE	626,109	786,137
16	E-2D ADV HAWKEYE (AP-CY)	123,166	123,166
	TOTAL, COMBAT AIRCRAFT	8,511,268	11,375,912
	TRAINER AIRCRAFT		
17	ADVANCED HELICOPTER TRAINING SYSTEM	269,867	185,893
17A	E-6 TRAINING AIRCRAFT	---	16,000
	TOTAL, TRAINER AIRCRAFT	269,867	201,893
	OTHER AIRCRAFT		
18	KC-130J	380,984	375,558
19	KC-130J (AP-CY)	67,022	67,022
21	MQ-4 TRITON	150,570	250,966
23	MQ-8 UAV	40,375	34,759
24	STUASLO UAV	30,930	30,065
26	VH-92A EXECUTIVE HELO	610,231	577,638
	TOTAL, OTHER AIRCRAFT	1,280,112	1,336,008
	MODIFICATION OF AIRCRAFT		
28	F-18 A-D UNIQUE	208,261	183,719
29	F-18E/F AND EA-18G MODERNIZATION AND SUSTAIN	468,954	399,360
30	AEA SYSTEMS	21,061	21,061
31	AV-8 SERIES	34,082	32,684
32	INFRARED SEARCH AND TRACK (IRST)	158,055	97,426

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
33	ADVERSARY	42,946	34,240
34	F-18 SERIES	379,351	369,600
35	H-53 SERIES	74,771	74,771
36	MH-60 SERIES	131,584	144,940
37	H-1 SERIES	185,140	134,490
38	EP-3 SERIES	26,602	26,602
40	E-2 SERIES	175,540	165,807
41	TRAINER A/C SERIES	7,085	7,085
42	C-2A	9,525	5,295
43	C-130 SERIES	141,705	118,913
44	FEWSG	684	684
45	CARGO/TRANSPORT A/C SERIES	8,911	8,911
46	E-6 SERIES	197,206	196,028
47	EXECUTIVE HELICOPTERS SERIES	29,086	25,970
49	T-45 SERIES	155,745	154,600
50	POWER PLANT CHANGES	24,633	24,633
51	JPATS SERIES	22,682	22,682
52	AVIATION LIFE SUPPORT MODS	40,401	45,401
53	COMMON ECM EQUIPMENT	138,480	134,366
54	COMMON AVIONICS CHANGES	143,322	123,416
55	COMMON DEFENSIVE WEAPON SYSTEM	2,142	2,142
56	ID SYSTEMS	35,999	35,999
57	P-8 SERIES	180,530	67,002
58	MAGTF EW FOR AVIATION	27,794	26,822
59	MQ-8 SERIES	28,774	28,774
60	V-22 (TILT/ROTOR ACFT) OSPREY	334,405	320,989
61	NEXT GENERATION JAMMER (NGJ)	176,638	163,735
62	F-35 STOVL SERIES	153,588	151,797
63	F-35 CV SERIES	105,452	106,740
64	QUICK REACTION CAPABILITY (QRC)	126,618	126,618

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
65	MQ-4 SERIES	12,998	3,584
66	RQ-21 SERIES	18,550	7,794
	TOTAL, MODIFICATION OF AIRCRAFT	4,029,300	3,594,680
	AIRCRAFT SPARES AND REPAIR PARTS		
70	SPARES AND REPAIR PARTS	2,198,460	2,197,486
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		
71	COMMON GROUND EQUIPMENT	543,559	507,946
72	AIRCRAFT INDUSTRIAL FACILITIES	75,685	75,685
73	WAR CONSUMABLES	40,633	40,633
74	OTHER PRODUCTION CHARGES	21,194	18,037
75	SPECIAL SUPPORT EQUIPMENT	155,179	129,879
76	FIRST DESTINATION TRANSPORTATION	2,121	2,121
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT & FACILITIES	838,371	774,301
	TOTAL, AIRCRAFT PROCUREMENT, NAVY	17,127,378	19,480,280

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Final Bill
1 F/A-18E/F (FIGHTER) HORNET (MYP)	**1,761,146**	**1,725,400**
Contract award savings		-14,023
Rec flyaway ECO excess growth		-8,356
Ancillary equipment excess growth		-13,367
3 JOINT STRIKE FIGHTER CV	**2,181,780**	**2,774,797**
Unit cost adjustment		-9,883
Program increase - accelerate depot standup		84,500
Program increase - five aircraft		518,400
4 JOINT STRIKE FIGHTER CV (AP-CY)	**330,386**	**326,147**
Excess long lead material		-4,239
5 JSF STOVL	**1,109,393**	**1,172,830**
Unit cost adjustment		-21,063
Program increase - accelerate depot standup		84,500
7 CH-53K (HEAVY LIFT)	**813,324**	**1,107,617**
NRE previously funded		-12,690
Pubs/tech data previously funded		-18,600
Program increase - two additional aircraft		250,000
Full funding of fiscal year 2021 aircraft		75,583
9 V-22 (MEDIUM LIFT)	**934,793**	**1,237,232**
MV-22 unit cost growth		-13,024
Support costs excess growth		-11,061
CMV-22 unit cost growth		-13,476
Program increase - four aircraft		340,000
11 UH-1Y/AH-1Z	**7,267**	**3,816**
Other ILS prior year carryover		-3,451
13 P-8A POSEIDON	**80,134**	**1,575,000**
Production line shutdown and acquisition closure early to need		-80,134
Program increase - nine aircraft only for the Navy Reserve		1,575,000
15 E-2D ADV HAWKEYE	**626,109**	**786,137**
GFE electronics excess growth		-3,469
Peculiar training equipment excess growth		-15,003
Program increase - one additional aircraft		178,500
17 ADVANCED HELICOPTER TRAINING SYSTEM	**269,867**	**185,893**
Contract savings		-67,974
Transfer to line 17A only for Navy-identified training aircraft requirement		-16,000

P-1	Budget Request	Final Bill
17A E-6 TRAINING AIRCRAFT	**0**	**16,000**
Transfer from line 17 only for Navy-identified training aircraft requirement		16,000
18 KC-130J	**380,984**	**375,558**
Unit cost growth		-5,426
21 MQ-4 TRITON	**150,570**	**250,966**
Production line preservation costs excess to need		-36,106
Production engineering support excess growth		-5,993
Other ILS excess growth		-7,505
Program increase - one additional aircraft		150,000
23 MQ-8 UAV	**40,375**	**34,759**
NRE for FFG(X) early to need		-1,550
Ancillary equipment excess growth		-4,066
24 STUASLO UAV	**30,930**	**30,065**
Navy air vehicle unit cost adjustment		-865
26 VH-92A EXECUTIVE HELO	**610,231**	**577,638**
Unit cost growth		-20,191
Production engineering support previously funded		-12,402
28 F-18 A-D UNIQUE	**208,261**	**183,719**
F/A-18 aircraft structural life management plan (OSIP 11-99) unit cost growth		-5,462
F/A-18 aircraft structural life management plan (OSIP 11-99) other support excess growth		-4,587
F/A-18 aircraft structural life management plan (OSIP 11-99) installation excess growth		-1,942
USMC F/A-18 upgrade ECP-583 unit cost growth		-12,551
29 F-18E/F AND EA-18G MODERNIZATION AND SUSTAIN	**468,954**	**399,360**
EA-18G unique (OSIP 011-10) unit cost growth		-13,921
EA-18G unique (OSIP 011-10) installation equipment excess growth		-8,984
EA-18G unique (OSIP 011-10) support excess growth		-11,917
Power and propulsion (OSIP 11-13) unit cost growth		-9,205
E/F and EA-18G correction of deficiencies (OSIP 14-03) installation kits N/R excess growth		-2,890
E/F and EA-18G correction of deficiencies (OSIP 14-03) prior year procurement installation excess growth		-22,677
31 AV-8 SERIES	**34,082**	**32,684**
Common OFP V4 (OSIP 023-00) previously funded		-1,398
32 INFRARED SEARCH AND TRACK (IRST)	**158,055**	**97,426**
Installation equipment excess growth		-9,654
Support equipment excess growth		-20,706
Reduce concurrency IRST pods (OSIP 04-14)		-30,269

P-1	Budget Request	Final Bill
33 ADVERSARY	**42,946**	**34,240**
F-16 SLEP ahead of need		-8,706
34 F-18 SERIES	**379,351**	**369,600**
AESA/AN/AN-APG-65/AN-APG-73 (OSIP 002-07) installation equipment N/R previously funded		-6,663
DTP-N B kits unit cost growth (OSIP 001-10)		-3,088
36 MH-60 SERIES	**131,584**	**144,940**
MIDS BU2B kits unit cost growth (OSIP 018-12)		-1,644
Program increase - helicopter long range active sonar systems		5,000
Program increase - MH-60S block 3A modernization		10,000
37 H-1 SERIES	**185,140**	**134,490**
APR-39D(V)2 kits (OSIP 016-12) early to need		-6,720
Program OSIPs unjustified growth		-43,930
40 E-2 SERIES	**175,540**	**165,807**
Advanced radar processor (OSIP 003-20) previously funded		-4,483
SIPR chat conversion (OSIP 003-18) unjustified		-5,250
42 C-2A	**9,525**	**5,295**
Wing center section kits (OSIP 014-17) early to need		-3,158
Navy identified SIPR chat no longer valid (OSIP 011-07)		-1,072
43 C-130 SERIES	**141,705**	**118,913**
JAGM A kit procurement and installation (OSIP 022-07) early to need		-6,741
GFE excess growth (OSIP 019-14)		-8,509
Installation excess growth (OSIP 019-14)		-1,802
LAIRCM A kit installation (OSIP 020-12) unjustified growth		-2,530
Training equipment block upgrade (OSIP 019-14) unjustified growth		-3,210
46 E-6 SERIES	**197,206**	**196,028**
FAB-T A kits installation (OSIP 014-14) previously funded		-1,178
47 EXECUTIVE HELICOPTERS SERIES	**29,086**	**25,970**
Software support (OSIP 006-21) early to need		-3,116
49 T-45 SERIES	**155,745**	**154,600**
Transponder organic contract savings (OSIP 006-16)		-1,145
52 AVIATION LIFE SUPPORT MODS	**40,401**	**45,401**
Program increase - body armor vest		5,000
53 COMMON ECM EQUIPMENT	**138,480**	**134,366**
MV-22 kit cost growth (OSIP 014-90)		-2,019
H-1 kit cost growth (OSIP 014-90)		-2,095

P-1	Budget Request	Final Bill
54 COMMON AVIONICS CHANGES	**143,322**	**123,416**
Installation (OSIP 71-88) excess cost growth		-1,454
Installation equipment (OSIP 21-01) excess cost growth		-10,852
Installation equipment NRE (OSIP 06-20) excess growth		-7,600
57 P-8 SERIES	**180,530**	**67,002**
Increment 3 aircrew trainers (OSIP 006-18) previously funded		-7,709
ECP 6 kits early to need (OSIP 006-18)		-105,819
58 MAGTF EW FOR AVIATION	**27,794**	**26,822**
Support equipment (OSIP 010-13) excess growth		-3,472
Program increase - intrepid tiger II		2,500
60 V-22 (TILT/ROTOR ACFT) OSPREY	**334,405**	**320,989**
Enhanced crash survivable memory unit (OSIP 022-01) early to need		-1,440
V-22 PRGB input quill/clutch redesign previously funded		-1,500
Common configuration (OSIP 011-17) unit cost growth		-6,398
Traffic collision avoidance system (OSIP 009-19) previously funded		-2,352
Installation kits NRE (OSIP 009-19) previously funded		-1,726
61 NEXT GENERATION JAMMER (NGJ)	**176,638**	**163,735**
Other support (OSIP 002-19) unjustified request		-12,903
62 F-35 STOVL SERIES	**153,588**	**151,797**
B kits (OSIP 004-19) unit cost growth		-1,038
Reduce carryover (OSIP 012-20; Block 4 upgrade)		-3,010
Correction of deficiencies (OSIP 004-19) insufficient budget justification		-7,743
Program increase - reliability and maintainability improvement program		10,000
63 F-35 CV SERIES	**105,452**	**106,740**
Reduce carryover (OSIP 011-20; Block 4 upgrade)		-2,200
Correction of deficiencies (OSIP 001-21) insufficient budget justification		-6,512
Program increase - reliability and maintainability improvement program		10,000
65 MQ-4 SERIES	**12,998**	**3,584**
Operating base installation (OSIP 009-18) early to need		-3,029
Ground station kit (OSIP 009-18) early to need		-6,385
66 RQ-21 SERIES	**18,550**	**7,794**
SURFR payload suite (OSIP 004-20) unit cost growth		-1,481
Excess unobligated funds		-9,275
70 SPARES AND REPAIR PARTS	**2,198,460**	**2,197,486**
Excess to need		-167,974
Program increase - F/A-18 E/F engine spares		137,000
Program increase - F-35 B/C initial spares		30,000

P-1	Budget Request	Final Bill
71 COMMON GROUND EQUIPMENT	**543,559**	**507,946**
Hydraulics particle counter contract award delay		-2,815
Other flight training unjustified growth		-32,798
74 OTHER PRODUCTION CHARGES	**21,194**	**18,037**
TCTS justification discrepancies		-3,157
75 SPECIAL SUPPORT EQUIPMENT	**155,179**	**129,879**
Classified adjustment		-25,300

F/A–18 E/F SUPER HORNET PRODUCTION

The Navy has recently placed a focus on reducing the strike fighter shortfall and improving the readiness of its tactical aviation fleet. As such, the agreement includes support for the F/A–18 E/F Super Hornet program and funds the request for 24 aircraft in fiscal year 2021. However, the agreement recognizes that the elimination of the F/A–18 E/F aircraft from the future years defense program results in a reduction of three years of production and three squadrons of aircraft from the previously planned future years defense program. The Navy's decision to eliminate future production of F/A–18 E/F aircraft is premature and requires further analysis. The Navy states that this elimination of new aircraft is offset by the startup of the F/A–18E/F Service Life Modification (SLM) program, which will extend the life of the Super Hornet fleet and maintain tactical aviation readiness. While this is somewhat true, the SLM program is in its nascent stage and will take time to contribute to fleet readiness levels. SLM also relies on a production line of new Super Hornets for on-time parts and production expertise. It is unclear if the Navy has assessed the impact of eliminating new Super Hornets on SLM cost, effectiveness, and the long-term cost of sustaining an increasingly aging fleet.

The Secretary of the Navy is directed to submit a report to the congressional defense committees not later than 45 days after the enactment of this Act that provides an update on the Navy's strike fighter shortfall projected over the next 20 years, the impact of these previously mentioned outyear aircraft reductions on this shortfall, and an updated schedule of inductions and deliveries of aircraft in the SLM program. Further, the Director, Cost Assessment and Program Evaluation is directed to provide a report to the congressional defense committees not later than 45 days after the enactment of this Act on the life-cycle cost assessment of aircraft inducted through SLM and new aircraft, including procurement, personnel, and cost-per-flight hour comparisons.

JOINT STRIKE FIGHTER SERVICE LIFE

The fiscal year 2021 President's budget request includes $259,040,000 for F–35B and F–35C modifications. This is an increase of $178,097,000 above the fiscal year 2020 enacted level. The majority of this program increase is to support the structural life limited parts (SLLP) program, which has a future years defense program (FYDP) estimate of $1,447,588,000. The increase was not projected in the fiscal year 2020 President's budget request, when the FYDP projection was $283,881,000, which is $1,163,707,000 less than what is reflected in fiscal year 2021.

The structural life limited parts program will be a significant effort going forward. The F–35 program has experienced increasing maturity and the Joint Program Office has appropriately focused on the long-term sustainment costs of all variants of the aircraft. With the significant investment that has been made and will continue to be made into the future, it is imperative that the service life of the aircraft be adequately understood and any programmatic efforts to extend the service life be fully detailed to the congressional defense committees.

There is a concern by the lack of detail about the SLLP program in the P–40, budget line item justification, and the P–3a, individual modification, exhibits and the supporting budget briefing materials. The budget materials should contain more detail going forward, to include visibility into A kits, B kits, installations, and support costs for SLLP-related engineering change proposals.

The Assistant Secretary of the Navy (Research, Development and Acquisition), in coordination with the Program Executive Officer, F–35 Joint Program Office, is directed to provide, not later than 30 days after the enactment of this Act, a briefing to the congressional defense committees on the service life extension efforts. The briefing shall include—by variant—costs to date, the planned total investment in the effort, service life of aircraft after investment is complete, and the schedule for the effort. The briefing should also include information about any cost-sharing between the Department of Defense and the manufacturer.

WEAPONS PROCUREMENT, NAVY

The agreement provides $4,477,773,000 for Weapons Procurement, Navy, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	WEAPONS PROCUREMENT, NAVY		
	BALLISTIC MISSILES		
	MODIFICATION OF MISSILES		
1	TRIDENT II MODS	1,173,837	1,160,862
	SUPPORT EQUIPMENT AND FACILITIES		
2	MISSILE INDUSTRIAL FACILITIES	7,275	7,275
	TOTAL, BALLISTIC MISSILES	1,181,112	1,168,137
	OTHER MISSILES		
	STRATEGIC MISSILES		
3	TOMAHAWK	277,694	224,685
	TACTICAL MISSILES		
4	AMRAAM	326,952	204,251
5	SIDEWINDER	126,485	113,651
7	STANDARD MISSILE	456,206	422,627
8	STANDARD MISSILE (AP-CY)	66,716	66,716
9	SMALL DIAMETER BOMB II	78,867	57,755
10	RAM	90,533	90,533
11	JOINT AIR GROUND MISSILE (JAGM)	49,386	43,647
14	AERIAL TARGETS	174,336	168,261
15	DRONES AND DECOYS	41,256	19,956
16	OTHER MISSILE SUPPORT	3,501	3,501
17	LRASM	168,845	134,065
18	LCS OTH MISSILE	32,910	31,610
	MODIFICATION OF MISSILES		
19	TOMAHAWK MODS	164,915	143,563
20	ESSM	215,375	212,637
22	HARM MODS	147,572	123,650
23	STANDARD MISSILES MODS	83,654	66,981
	SUPPORT EQUIPMENT AND FACILITIES		
24	WEAPONS INDUSTRIAL FACILITIES	1,996	13,996
25	FLEET SATELLITE COMM FOLLOW-ON	53,401	52,401
	ORDNANCE SUPPORT EQUIPMENT		
27	ORDNANCE SUPPORT EQUIPMENT	215,659	199,459
	TOTAL, OTHER MISSILES	2,776,259	2,393,945

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	TORPEDOES AND RELATED EQUIPMENT		
	TORPEDOES AND RELATED EQUIP		
28	SSTD	5,811	5,811
29	MK-48 TORPEDO	284,901	276,844
30	ASW TARGETS	13,833	13,833
	MOD OF TORPEDOES AND RELATED EQUIP		
31	MK-54 TORPEDO MODS	110,286	103,441
32	MK-48 TORPEDO ADCAP MODS	57,214	55,699
33	MARITIME MINES	5,832	5,832
	SUPPORT EQUIPMENT		
34	TORPEDO SUPPORT EQUIPMENT	97,581	94,103
35	ASW RANGE SUPPORT	4,159	4,159
	DESTINATION TRANSPORTATION		
36	FIRST DESTINATION TRANSPORTATION	4,106	4,106
	TOTAL, TORPEDOES AND RELATED EQUIPMENT	583,723	563,828
	OTHER WEAPONS		
	GUNS AND GUN MOUNTS		
37	SMALL ARMS AND WEAPONS	16,030	12,530
	MODIFICATION OF GUNS AND GUN MOUNTS		
38	CIWS MODS	37,147	41,147
39	COAST GUARD WEAPONS	45,804	43,150
40	GUN MOUNT MODS	74,427	102,068
41	LCS MODULE WEAPONS	4,253	4,253
42	AIRBORNE MINE NEUTRALIZATION SYSTEMS	6,662	6,662
	TOTAL, OTHER WEAPONS	184,323	209,810
45	SPARES AND REPAIR PARTS	159,578	142,053
	TOTAL, WEAPONS PROCUREMENT, NAVY	4,884,995	4,477,773

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Final Bill
1 TRIDENT II MODS	**1,173,837**	**1,160,862**
Joint fuze sustainment production delays		-8,540
Tooling, test/support equipment excess growth		-1,420
Production support/missile hardware excess growth		-3,015
3 TOMAHAWK	**277,694**	**224,685**
Unit cost carryover		-3,780
Contract award delay		-26,040
Maintain production level of effort		-19,989
Mk14 canister unit cost growth		-3,200
4 AMRAAM	**326,952**	**204,251**
F3R schedule delay		-121,000
Training equipment previously funded		-1,701
5 SIDEWINDER	**126,485**	**113,651**
Unit cost growth		-12,834
7 STANDARD MISSILE	**456,206**	**422,627**
Poor justification materials		-3,579
Production start-up early to need		-30,000
9 SMALL DIAMETER BOMB II	**78,867**	**57,755**
Contract award delay		-16,512
AUR unit cost growth		-4,600
11 JOINT AIR GROUND MISSILE (JAGM)	**49,386**	**43,647**
Contract award delay		-5,739
14 AERIAL TARGETS	**174,336**	**168,261**
EM443 hardware procurements/modifications excess growth		-2,375
BQM-177A FRP unit cost growth		-3,700
15 DRONES AND DECOYS	**41,256**	**19,956**
MALD concurrency		-21,300
17 LRASM	**168,845**	**134,065**
Excess to need/contract award delay		-34,780
18 LCS OTH MISSILE	**32,910**	**31,610**
Support costs unjustified		-1,300
19 TOMAHAWK MODS	**164,915**	**143,563**
MST production concurrency		-21,352
20 ESSM	**215,375**	**212,637**
Test equipment early to need		-2,738

P-1	Budget Request	Final Bill
22 HARM MODS	**147,572**	**123,650**
AARGM AUR installation kits excess cost growth		-7,060
AARGM ER long lead components unjustified request		-1,206
AARGM ER LRIP early to need		-15,656
23 STANDARD MISSILES MODS	**83,654**	**66,981**
SM-2 Block IIIC excess cost		-3,490
SM-2 Block IIIAZ modifications excess cost growth		-4,900
Diminishing manufacturing resources early to need		-8,283
24 WEAPONS INDUSTRIAL FACILITIES	**1,996**	**13,996**
Program increase - NIROP facilitization		12,000
25 FLEET SATELLITE COMM FOLLOW-ON	**53,401**	**52,401**
MUOS upgrade mod kits failure to comply with congressional direction		-1,000
27 ORDNANCE SUPPORT EQUIPMENT	**215,659**	**199,459**
Excess growth		-16,200
29 MK-48 TORPEDO	**284,901**	**276,844**
Guidance and control section excess unit cost growth		-5,389
After body/tail cone excess unit cost growth		-2,668
31 MK-54 TORPEDO MODS	**110,286**	**103,441**
HAAWC kits early to need		-6,845
32 MK-48 TORPEDO ADCAP MODS	**57,214**	**55,699**
CBASS kits excess cost growth		-1,515
34 TORPEDO SUPPORT EQUIPMENT	**97,581**	**94,103**
WES expansion box delays		-3,478
37 SMALL ARMS AND WEAPONS	**16,030**	**12,530**
MK50MOD1/CROWS II unjustified request		-3,500
38 CIWS MODS	**37,147**	**41,147**
Program increase - Phalanx SeaRAM weapons computer control upgrade		4,000

P-1	Budget Request	Final Bill
39 COAST GUARD WEAPONS	**45,804**	**43,150**
Machine gun system equipment OPC unjustified request		-2,654
40 GUN MOUNT MODS	**74,427**	**102,068**
MK38 backfit kits unjustified growth		-5,459
Operator ballistic protection for crew served weapons - rescind and reappropriate unobligated fiscal year 2020 funding		13,100
Program increase - operator ballistic protection for crew served weapons		20,000
45 SPARES AND REPAIR PARTS	**159,578**	**142,053**
Gun mount mods spares early to need		-2,335
Standard missile spares excess growth		-6,885
RAM spares unjustified growth		-8,305

PROCUREMENT OF AMMUNITION, NAVY AND MARINE CORPS

The agreement provides $792,023,000 for Procurement of Ammunition, Navy and Marine Corps, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS		
	PROC AMMO, NAVY		
	NAVY AMMUNITION		
1	GENERAL PURPOSE BOMBS	41,496	41,496
2	JDAM	64,631	64,631
3	AIRBORNE ROCKETS, ALL TYPES	60,719	60,719
4	MACHINE GUN AMMUNITION	11,158	11,158
5	PRACTICE BOMBS	51,409	41,218
6	CARTRIDGES & CART ACTUATED DEVICES	64,694	63,263
7	AIR EXPENDABLE COUNTERMEASURES	51,523	51,523
8	JATOS	6,761	6,761
9	5 INCH/54 GUN AMMUNITION	31,517	28,670
10	INTERMEDIATE CALIBER GUN AMMUNITION	38,005	35,432
11	OTHER SHIP GUN AMMUNITION	40,626	35,401
12	SMALL ARMS & LANDING PARTY AMMO	48,202	48,202
13	PYROTECHNIC AND DEMOLITION	9,766	9,766
15	AMMUNITION LESS THAN $5 MILLION	2,115	2,115
	TOTAL, PROC AMMO, NAVY	522,622	500,355
	PROC AMMO, MARINE CORPS		
	MARINE CORPS AMMUNITION		
16	MORTARS	46,781	45,761
17	DIRECT SUPPORT MUNITIONS	119,504	79,662
18	INFANTRY WEAPONS AMMUNITION	83,220	57,742
19	COMBAT SUPPORT MUNITIONS	32,650	25,003
20	AMMO MODERNIZATION	15,144	15,144
21	ARTILLERY MUNITIONS	59,539	64,214
22	ITEMS LESS THAN $5 MILLION	4,142	4,142
	TOTAL, PROC AMMO, MARINE CORPS	360,980	291,668
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	883,602	792,023

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Final Bill
5 PRACTICE BOMBS	**51,409**	**41,218**
Q1300 expected contract savings		-2,141
Q1040 contract delay		-3,988
Q1050 acquisition uncertainty		-4,062
6 CARTRIDGES & CART ACTUATED DEVICES	**64,694**	**63,263**
Misc devices under $500K previously funded		-1,431
9 5 INCH/54 GUN AMMUNITION	**31,517**	**28,670**
MK 187 mod 0 projectile unit cost growth		-2,847
10 INTERMEDIATE CALIBER GUN AMMUNITION	**38,005**	**35,432**
BA23 contract award delay		-7,573
Program increase - ALaMO		5,000
11 OTHER SHIP GUN AMMUNITION	**40,626**	**35,401**
M72A8 LAW early to need		-5,225
16 MORTARS	**46,781**	**45,761**
CA66 fuze unit cost growth		-1,020
17 DIRECT SUPPORT MUNITIONS	**119,504**	**79,662**
Marine Corps identified excess to need		-39,842
18 INFANTRY WEAPONS AMMUNITION	**83,220**	**57,742**
BA54 excess growth		-7,242
BA55 excess growth		-7,669
A940 unit cost growth		-559
A059 unit cost growth		-8,613
AB57 unit cost growth		-1,149
A023 contract award delay		-246
19 COMBAT SUPPORT MUNITIONS	**32,650**	**25,003**
Linear charges, all types prior year carryover		-3,649
81mm non-lethal indirect fire munition unjustified request		-3,998
21 ARTILLERY MUNITIONS	**59,539**	**64,214**
DA54 explosive fill IMX 101 unit cost savings		-2,033
DA54 M795 IM metal part unit cost savings		-1,614
NA29 complete fuze unit cost savings		-1,678
Program increase - Artillery 155mm M825		10,000

SHIPBUILDING AND CONVERSION, NAVY

The agreement provides $23,268,880,000 for Shipbuilding and Conversion, Navy, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	SHIPBUILDING & CONVERSION, NAVY		
	FLEET BALLISTIC MISSILE SHIPS		
1	COLUMBIA CLASS SUBMARINE	2,891,475	2,869,024
2	COLUMBIA CLASS SUBMARINE (AP-CY)	1,123,175	1,253,175
	OTHER WARSHIPS		
3	CARRIER REPLACEMENT PROGRAM (CVN 80)	997,544	958,933
4	CARRIER REPLACEMENT PROGRAM (CVN 81)	1,645,606	1,606,432
5	VIRGINIA CLASS SUBMARINE	1,862,693	4,603,213
6	VIRGINIA CLASS SUBMARINE (AP-CY)	2,373,187	2,173,187
7	CVN REFUELING OVERHAUL	1,878,453	1,531,153
8	CVN REFUELING OVERHAULS (AP-CY)	17,384	17,384
9	DDG 1000	78,205	78,205
10	DDG-51	3,040,270	3,219,843
11	DDG-51 (AP-CY)	29,297	159,297
13	FFG-FRIGATE	1,053,123	1,053,123
	TOTAL, OTHER WARSHIPS	12,975,762	15,400,770
	AMPHIBIOUS SHIPS		
14	LPD FLIGHT II	1,155,801	1,125,801
15	LPD 32 (AP)	---	1,000
15A	LPD 33 {AP)	---	1,000
16A	EXPEDITIONARY SEA BASE {ESB) {AP-CY)	---	73,000
17	LHA REPLACEMENT	---	500,000
19	EXPEDITIONARY FAST TRANSPORT	---	260,000
	TOTAL, AMPHIBIOUS SHIPS	1,155,801	1,960,801
	AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM COSTS		
20	TAO FLEET OILER	---	20,000
22	TOWING, SALVAGE, AND RESCUE SHIP (ATS)	168,209	157,790
23	LCU 1700	87,395	87,395
24	OUTFITTING	825,586	752,005
26	SERVICE CRAFT	249,781	244,147

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
27	LCAC SLEP	56,461	56,461
28	COMPLETION OF PY SHIPBUILDING PROGRAMS	369,112	407,312
	AUXILIARY VESSELS	---	60,000
	TOTAL, AUXILIARIES, CRAFT, AND PRIOR-YEAR PROGRAM	1,756,544	1,785,110
	TOTAL, SHIPBUILDING & CONVERSION, NAVY	19,902,757	23,268,880

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Final Bill
1 COLUMBIA CLASS SUBMARINE	**2,891,475**	**2,869,024**
CANES early to need		-4,484
Electronic warfare early to need		-8,904
Photonics early to need		-9,063
2 COLUMBIA CLASS SUBMARINE (AP-CY)	**1,123,175**	**1,253,175**
SSBN 827 AP (IFF FY24-25)	[1,015,652]	[1,015,652]
SSBN 828 AP (FF FY26)	[93,034]	[93,034]
SSBN 829 AP (FF FY27)	[140]	[140]
SSBN 830 AP (FF FY28)	[1,070]	[1,070]
SSBN 831 AP (FF FY29)	[140]	[140]
SSBN 832 AP (FF FY30)	[140]	[140]
SSBN 833 AP (FF FY31)	[140]	[140]
SSBN 834 AP (FF FY32)	[140]	[140]
SSBN 835 AP (FF FY33)	[140]	[140]
SSBN 836 AP (FF FY34)	[140]	[140]
SSBN 837 AP (FF FY35)	[12,439]	[12,439]
Program increase - submarine industrial base expansion		130,000
3 CARRIER REPLACEMENT PROGRAM (CVN 80)	**997,544**	**958,933**
Hardware procurements early to need		-38,611
4 CARRIER REPLACEMENT PROGRAM (CVN-81)	**1,645,606**	**1,606,432**
Hardware procurements early to need		-39,174
5 VIRGINIA CLASS SUBMARINE	**1,862,693**	**4,603,213**
Universal modular mast excess funds		-4,449
Propulsor excess funds		-12,809
Hardware excess funds		-10,222
Navy requested transfer from line 6 for justification material error		472,000
Program increase - one additional submarine		2,296,000
6 VIRGINIA CLASS SUBMARINE (AP-CY)	**2,373,187**	**2,173,187**
SSN 807 AP (FF FY22)	[416,546]	[416,546]
SSN 808 AP (FF FY22)	[416,546]	[416,546]
SSN 809 AP (FF FY23)	[878,501]	[878,501]
SSN 810 AP (FF FY23)	[189,596]	[189,596]
Navy requested transfer to line 5 for justification material error		-472,000
Program increase - one additional submarine AP		272,000
7 CVN REFUELING OVERHAULS	**1,878,453**	**1,531,153**
CVN 74 RCOH prior year carryover		-226,300
Additional CVN 74 RCOH prior year carryover		-121,000
8 CVN REFUELING OVERHAULS (AP-CY)	**17,384**	**17,384**
CVN 75 AP (IFF FY25-26)	[17,384]	[17,384]

P-1	Budget Request	Final Bill
10 DDG-51	**3,040,270**	**3,219,843**
Excess funds		-35,427
Program increase - surface combatant shipyard infrastructure		215,000
11 DDG-51 (AP-CY)	**29,297**	**159,297**
DDG 138 AP (FF FY22)	[14,649]	[14,649]
DDG 139 AP (FF FY22)	[14,648]	[14,648]
Program increase - long lead time material only for third DDG-51 in fiscal year 2022		130,000
14 LPD FLIGHT II	**1,155,801**	**1,125,801**
LPD 31 contract award savings		-28,000
Transfer to line 15 only for LPD 32 EOQ		-1,000
Transfer to line 15A only for LPD 33 EOQ		-1,000
15 LPD 32 (AP-CY)	**0**	**1,000**
Transfer from line 14 only for LPD 32 EOQ		1,000
15A LPD 33 (AP-CY)	**0**	**1,000**
Transfer from line 14 only for LPD 33 EOQ		1,000
16A EXPEDITIONARY SEA BASE (AP-CY)	**0**	**73,000**
Program increase - advance procurement for ESB-8		73,000
17 LHA REPLACEMENT	**0**	**500,000**
Program increase - LHA 9		500,000
19 EXPEDITIONARY FAST TRANSPORT	**0**	**260,000**
Program increase - one additional ship		260,000
20 TAO FLEET OILER	**0**	**20,000**
Program increase - affordability initiatives		20,000
22 TOWING, SALVAGE, AND RESCUE SHIP (ATS)	**168,209**	**157,790**
Excess cost growth		-10,419
24 OUTFITTING	**825,586**	**752,005**
DDG-51 excess growth		-1,892
LPD outfitting early to need		-2,000
LCU outfitting early to need		-1,089
DDG-1000 post-delivery early to need		-3,753
LCS post-delivery excess to need		-5,595
CVN 79 outfitting		-37,847
SSN 801 outfitting		-12,005
LHA 8 outfitting		-9,400

P-1	Budget Request	Final Bill
26 SERVICE CRAFT	**249,781**	**244,147**
APL cost growth		-2,173
YC contract award delays		-3,461
28 COMPLETION OF PY SHIPBUILDING PROGRAMS	**369,112**	**407,312**
CVN 73 RCOH scope expansion		-11,800
Program increase - EPF unmanned logistics prototype conversion		50,000
XX AUXILIARY VESSELS	**0**	**60,000**
Two used sealift vessels for National Defense Reserve Fleet - transfer from OMN line 2A2F		60,000

BUDGET JUSTIFICATION MATERIALS FOR SHIPBUILDING PROGRAMS

It is noted that Federal appropriations law requires that the entire procurement cost of a weapon be funded in the fiscal year in which the item is procured (''full funding policy''). However, Congress has provided legislative exceptions to the full funding policy for several shipbuilding programs that are funded with fiscal year 2021 appropriations, including SSBNs 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, and 837; USS Enterprise (CVN 80) and USS Doris Miller (CVN 81); aircraft carrier refueling and complex overhauls of USS George Washington (CVN 73), USS John C. Stennis (CVN 74), and USS Harry S. Truman (CVN 75); LPDs 31, 32, and 33; and LHA 9. The legislative authorities for exceptions to the full funding policy and appropriations for these programs were provided at the request of the Navy with the understanding that these exceptions would improve the Navy's purchasing power and improve maritime capacity and capability, and that subsequent budget submissions would fully reflect these acquisition and funding strategies.

However, the Navy's budget justification materials for incrementally funded shipbuilding programs have not been updated to reflect exceptions to the full funding policy, and the current P–5c, ''Ship Cost Activity'', P–8a, ''Analysis of Ship Cost Estimates'', and P–35, ''Major Ship Component Fact Sheet'', budget exhibits do not clearly explain or justify funds identified on the P–40, ''Budget Line Item Justification'', budget exhibit for the pending budget request. It is further noted that the Navy's detailed budget justification briefs also do not routinely contain such information, nor is additional amplifying information provided at the time of the budget submission, despite previous congressional direction to do so. The House and Senate Appropriations Committees do not believe that future Navy budget requests can be supported absent improved budget justification materials for incrementally funded shipbuilding programs. Therefore, the Assistant Secretary of the Navy (Financial Management and Comptroller), in consultation with the Assistant Secretary of the Navy (Research, Development and Acquisition), is directed to provide to the congressional defense committees, not later than 30 days after the enactment of this Act, templates for improved Navy budget justification materials and budget justification briefs for all Navy shipbuilding programs.

COLUMBIA CLASS SUBMARINES

The fiscal year 2021 President's budget request includes $4,014,650,000 in Shipbuilding and Conversion, Navy for the incrementally funded procurement of the first COLUMBIA Class submarine (CLB) and for advance procurement (AP) of eleven additional hulls of the COLUMBIA class. It is noted that unprecedented acquisition and funding flexibilities have been provided by the Congress for the acquisition of the CLB, including authority to enter into economic order quantity contracts in fiscal year 2016, authority to award contracts for advance construction in fiscal year 2016, authority to award contracts for continuous production in fiscal year 2017, the expansion of such continuous production authority in fiscal year 2018, incremental funding authority for advance procurement in fiscal year 2016, authority for incremental full funding of the first two CLB submarines in fiscal year 2021, and sizeable additional appropriations to support the submarine industrial base for both COLUMBIA and VIRGINIA Class submarines.

Additionally, in fiscal year 2021, the Navy requested three-year AP appropriations of nuclear propulsion equipment components for the second CLB, which is believed to be an unprecedented use of AP but is not objected to in this agreement in this instance. However, the House and Senate Appropriations Committees are concerned about the potential use of such AP in the future. Therefore, the Assistant Secretary of the Navy (Research, Development and Acquisition), in consultation with the Assistant Secretary of the Navy (Financial Manager and Comptroller) is directed to submit to the congressional defense committees, with submission of the President's fiscal year 2022 budget request, a certification of the need for any three-year AP requested in fiscal year 2022, as well as to provide a detailed execution update by component of three-year AP appropriated in fiscal year 2021, to include any deviations from information previously provided to the congressional defense committees in support of the Navy's three-year AP request for nuclear propulsion equipment in fiscal year 2021.

It is noted that despite the significant legislative support provided by the Congress for the CLB, challenges have occurred in certain design, prototyping, and advance construction efforts of the program. In particular, ongoing missile tube issues have consumed the majority of the common missile compartment schedule margin, thereby causing additional risk to the ship construction schedule. It is further noted that despite the Navy leadership's repeated statements that the CLB is the Navy's top acquisition priority, the Navy's budgets and acquisition plans do not reflect that. For instance, the fiscal year 2021 budget request for the COLUMBIA class includes $16,400,000 for the submarine industrial base, a decrease of $129,000,000 from amounts appropriated for that purpose in fiscal year 2020, despite repeated statements by Navy leadership that the supplier industrial base presents the most significant risk to the program. Further, the Navy continues to inject risk into the CLB program by destabilizing the VIRGINIA Class submarine program, as addressed elsewhere in this explanatory statement. An additional $130,000,000 is recommended to support the submarine industrial base. Further erosion of performance of the CLB program would warrant a review of the Department of Defense and Navy acquisition enterprise as it relates to submarines.

VIRGINIA CLASS SUBMARINES

The fiscal year 2021 President's budget request includes $4,235,880,000 for the procurement of a single VIRGINIA Class submarine (VCS) as part of a nine-ship Block V multi-year procurement (MYP) contract that was awarded in December 2019. It is noted that this contract includes options for one additional VCS in fiscal years 2021, 2022, or 2023. It is further noted that the Block V contract award represents a change to the Navy's acquisition strategy for Block V VCS from fiscal years 2018 and 2019, when the Navy requested and was authorized MYP authority for a ten-ship Block V VCS acquisition.

The Navy's continued injection of programmatic, acquisition, and fiscal uncertainty into the VCS program is concerning because it likely will have detrimental effects on the acquisition of the COLUMBIA Class. Therefore, the agreement recommends an additional $2,568,000,000 to fully fund a tenth VCS for the current MYP in fiscal year 2021. The Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to provide an update to the congressional defense committees on the Navy's submarine enterprise management and acquisition plans, to include progress updates on VCS Block IV performance and cost impacts, not later than with the fiscal year 2022 President's budget request.

DDG–51 FLIGHT III ACQUISITION STRATEGY

It is noted that the current multi-year procurement (MYP) contract for the DDG–51 Flight III destroyer ends in fiscal year 2022 and that with the submission of the fiscal year 2021 President's budget request the Navy further delayed the detailed design and construction schedule of the planned follow-on program, the future Large Surface Combatant (LSC), until no earlier than fiscal year 2026. It is further noted that despite this delay to LSC, the Navy is planning to procure only four DDG–51 Flight III destroyers from fiscal years 2023 to 2025, well below the current 2.4 DDG–51 destroyers per year MYP acquisition, and that in each of the last two budget submissions the Navy has reduced the procurement profile for DDG–51 Flight III destroyers. This is inconsistent with previously stated shipbuilding objectives, and the lack of a predictable and stable acquisition strategy for large surface combatants undercuts naval maritime superiority and injects risk into the industrial base. The Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to provide to the congressional defense committees, with submission of the fiscal year 2022 President's budget request, the Navy's fully funded strategy for large surface combatants. The agreement recommends an additional $130,000,000 in advance procurement only for an additional DDG–51 Flight III destroyer in fiscal year 2022.

CONSTELLATION CLASS FRIGATE

The fiscal year 2021 President's budget request includes $1,053,123,000 for the procurement of a second CONSTELLATION Class Frigate (CCF). The detail design and construction contract for FFG 62 (USS CONSTELLATION), the first ship of the class, was awarded in April 2020, and the Navy plans a design period of no less than 14 months prior to the start of construction of FFG 62 in the fourth quarter of fiscal year 2022. It is noted that the Navy did not plan a gap year' between construction of the first and second ships of the CCF that would allow for potential design changes to be incorporated into the build plan prior to the start of construction of the second ship. Instead, the Navy plans to exercise the contract option for the second CCF ship in fiscal year 2021 prior to the conclusion of the Critical Design and Production Readiness Reviews scheduled in fiscal year 2022, and plans to start construction of the second ship in the first quarter of fiscal year 2023.

Given the Navy's past challenges in managing costs and schedule of lead ships of a class, it is believed that a high percentage of design completion is necessary to ensure success of this new shipbuilding program. For instance, it is noted that the previous class of small surface combatants, with arrangements for the two ship designs 60 percent and 34 percent complete at the start of construction, respectively, experienced cost growth in excess of 150 percent. By contrast, arrangements are 100 percent complete and design disclosures were over 80 percent complete prior to the start of construction of the COLUMBIA Class submarine.

The Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to provide to the congressional defense committees, not later than with the fiscal year 2022 President's budget request, quarterly planned and actual design progress curves for technical requirements, arrangements, design disclosures, and work instructions for the CCF leading up to the start of construction of FFG 62. It is further directed that no funds for construction of the second CCF may be obligated until the Director, Cost Assessment and Program Evaluation has provided the congressional defense committees an updated cost assessment for the

CCF based on the actual ship award and design changes implemented since the previous Independent Cost Estimate.

OTHER PROCUREMENT, NAVY

The agreement provides $10,512,209,000 for Other Procurement, Navy, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OTHER PROCUREMENT, NAVY		
	SHIPS SUPPORT EQUIPMENT		
	SHIP PROPULSION EQUIPMENT		
1	SURFACE POWER EQUIPMENT	11,738	10,661
	GENERATORS		
2	SURFACE COMBATANT HM&E	58,497	54,628
	NAVIGATION EQUIPMENT		
3	OTHER NAVIGATION EQUIPMENT	74,084	74,084
	PERISCOPES		
	SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT		
4	PROGRAM	204,806	190,954
	OTHER SHIPBOARD EQUIPMENT		
5	DDG MOD	547,569	512,155
6	FIREFIGHTING EQUIPMENT	18,394	18,394
7	COMMAND AND CONTROL SWITCHBOARD	2,374	2,374
8	LHA/LHD MIDLIFE	78,265	66,512
9	POLLUTION CONTROL EQUIPMENT	23,035	20,222
10	SUBMARINE SUPPORT EQUIPMENT	64,632	64,632
11	VIRGINIA CLASS SUPPORT EQUIPMENT	22,868	22,868
12	LCS CLASS SUPPORT EQUIPMENT	3,976	7,976
13	SUBMARINE BATTERIES	31,322	31,322
14	LPD CLASS SUPPORT EQUIPMENT	50,475	50,475
15	DDG-1000 SUPPORT EQUIPMENT	42,279	37,859
16	STRATEGIC PLATFORM SUPPORT EQUIP	15,429	15,429
17	DSSP EQUIPMENT	2,918	2,918
18	CRUISER MODERNIZATION	87,978	87,978
19	LCAC	9,366	6,758
20	UNDERWATER EOD PROGRAMS	16,842	16,842
21	ITEMS LESS THAN $5 MILLION	105,715	105,715
22	CHEMICAL WARFARE DETECTORS	3,044	3,044
23	SUBMARINE LIFE SUPPORT SYSTEM	5,885	5,885
24	SHIP MAINTENANCE, REPAIR AND MODERNIZATION	1,260,721	1,215,721
	REACTOR PLANT EQUIPMENT		
25	REACTOR POWER UNITS	5,305	5,305
26	REACTOR COMPONENTS	415,404	401,219

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OCEAN ENGINEERING		
27	DIVING AND SALVAGE EQUIPMENT	11,143	11,143
	SMALL BOATS		
28	STANDARD BOATS	52,371	46,451
	PRODUCTION FACILITIES EQUIPMENT		
29	OPERATING FORCES IPE	233,667	218,112
	OTHER SHIP SUPPORT		
30	LCS COMMON MISSION MODULES EQUIPMENT	39,714	36,323
31	LCS MCM MISSION MODULES	218,822	189,397
32	LCS ASW MISSION MODULES	61,759	38,359
33	LCS SUW MISSION MODULES	24,412	24,412
34	LCS IN-SERVICE MODERNIZATION	121,848	128,848
	LOGISTICS SUPPORT		
35	SMALL & MEDIUM UUV	67,709	37,585
	TOTAL, SHIPS SUPPORT EQUIPMENT	3,994,366	3,762,560
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT		
	SHIP SONARS		
37	SPQ-9B RADAR	27,517	27,517
38	AN/SQQ-89 SURF ASW COMBAT SYSTEM	128,664	128,664
39	SSN ACOUSTICS EQUIPMENT	374,737	372,822
40	UNDERSEA WARFARE SUPPORT EQUIPMENT	9,286	9,286
	ASW ELECTRONIC EQUIPMENT		
41	SUBMARINE ACOUSTIC WARFARE SYSTEM	26,066	26,066
42	SSTD	13,241	13,241
43	FIXED SURVEILLANCE SYSTEM	193,446	193,446
44	SURTASS	63,838	63,838
	ELECTRONIC WARFARE EQUIPMENT		
45	AN/SLQ-32	387,195	353,961
	RECONNAISSANCE EQUIPMENT		
46	SHIPBOARD IW EXPLOIT	235,744	231,072
47	AUTOMATED IDENTIFICATION SYSTEM (AIS)	3,862	3,862
	OTHER SHIP ELECTRONIC EQUIPMENT		
48	COOPERATIVE ENGAGEMENT CAPABILITY	26,006	26,006
49	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS)	15,385	15,385
50	ATDLS	103,835	103,835

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
51	NAVY COMMAND AND CONTROL SYSTEM (NCCS)	3,594	3,594
52	MINESWEEPING SYSTEM REPLACEMENT	15,744	15,744
53	SHALLOW WATER MCM	5,493	5,493
54	NAVSTAR GPS RECEIVERS (SPACE)	38,043	38,043
55	ARMED FORCES RADIO AND TV	2,592	2,592
56	STRATEGIC PLATFORM SUPPORT EQUIP	7,985	7,985
	AVIATION ELECTRONIC EQUIPMENT		
57	ASHORE ATC EQUIPMENT	83,475	82,970
58	AFLOAT ATC EQUIPMENT	65,113	57,628
59	ID SYSTEMS	23,815	23,815
60	JOINT PRECISION APPROACH AND LANDING SYSTEM	100,751	96,751
61	NAVAL MISSION PLANNING SYSTEMS	13,947	13,947
	OTHER SHORE ELECTRONIC EQUIPMENT		
62	MARITIME INTEGRATED BROADCAST SYSTEM	1,375	1,375
63	TACTICAL/MOBILE C41 SYSTEMS	22,771	22,771
64	DCGS-N	18,872	18,872
65	CANES	389,585	389,585
66	RADIAC	10,335	10,335
67	CANES-INTELL	48,654	48,654
68	GPETE	8,133	8,133
69	NETWORK TACTICAL COMMON DATA LINK	4,150	3,556
70	INTEG COMBAT SYSTEM TEST FACILITY	5,934	5,934
71	EMI CONTROL INSTRUMENTATION	4,334	4,334
72	ITEMS LESS THAN $5 MILLION	159,815	154,572
	SHIPBOARD COMMUNICATIONS		
73	SHIPBOARD TACTICAL COMMUNICATIONS	56,106	53,743
74	SHIP COMMUNICATIONS AUTOMATION	124,288	124,288
75	COMMUNICATIONS ITEMS UNDER $5M	45,120	45,120
	SUBMARINE COMMUNICATIONS		
76	SUBMARINE BROADCAST SUPPORT	31,133	25,790
77	SUBMARINE COMMUNICATION EQUIPMENT	62,214	56,491
	SATELLITE COMMUNICATIONS		
78	SATELLITE COMMUNICATIONS SYSTEMS	47,421	47,421
79	NAVY MULTIBAND TERMINAL (NMT)	64,552	55,342

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	SHORE COMMUNICATIONS		
80	JCS COMMUNICATIONS EQUIPMENT	4,398	4,398
	CRYPTOGRAPHIC EQUIPMENT		
81	INFO SYSTEMS SECURITY PROGRAM (ISSP)	157,551	157,551
82	MIO INTEL EXPLOITATION TEAM	985	985
	CRYPTOLOGIC EQUIPMENT		
83	CRYPTOLOGIC COMMUNICATIONS EQUIP	15,906	14,845
	OTHER ELECTRONIC SUPPORT		
90	COAST GUARD EQUIPMENT	70,689	61,580
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	3,323,695	3,233,238
	AVIATION SUPPORT EQUIPMENT		
	SONOBUOYS		
92	SONOBUOYS - ALL TYPES	237,639	277,297
	AIRCRAFT SUPPORT EQUIPMENT		
93	MINOTAUR	5,077	5,077
94	WEAPONS RANGE SUPPORT EQUIPMENT	83,969	85,469
95	AIRCRAFT SUPPORT EQUIPMENT	187,758	176,438
96	ADVANCED ARRESTING GEAR (AAG)	16,059	16,059
97	METEOROLOGICAL EQUIPMENT	15,192	15,192
99	LEGACY AIRBORNE MINE COUNTERMEASURES	6,674	6,674
100	COMMON CONTROL SYSTEM	1,189	1,189
101	AVIATION SUPPORT EQUIPMENT	58,873	57,174
102	UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CONTROL	60,937	40,070
	TOTAL, AVIATION SUPPORT EQUIPMENT	673,367	680,639
	ORDNANCE SUPPORT EQUIPMENT		
	SHIP GUN SYSTEM EQUIPMENT		
103	SHIP GUN SYSTEMS EQUIPMENT	5,540	5,540
	SHIP MISSILE SYSTEMS EQUIPMENT		
104	HARPOON SUPPORT EQUIPMENT	208	---
105	SHIP MISSILE SUPPORT EQUIPMENT	262,077	250,356
106	TOMAHAWK SUPPORT EQUIPMENT	84,087	77,370
	FBM SUPPORT EQUIPMENT		
107	STRATEGIC MISSILE SYSTEMS EQUIP	258,910	251,683
	ASW SUPPORT EQUIPMENT		

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
108	SSN COMBAT CONTROL SYSTEMS	173,770	162,167
109	ASW SUPPORT EQUIPMENT	26,584	23,511
	OTHER ORDNANCE SUPPORT EQUIPMENT		
110	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	7,470	7,470
111	ITEMS LESS THAN $5 MILLION	6,356	6,356
	OTHER EXPENDABLE ORDNANCE		
112	ANTI-SHIP MISSILE DECOY SYSTEM	86,356	72,056
113	SUBMARINE TRAINING DEVICE MODS	69,240	69,240
114	SURFACE TRAINING EQUIPMENT	192,245	168,730
	TOTAL, ORDNANCE SUPPORT EQUIPMENT	1,172,843	1,094,479
	CIVIL ENGINEERING SUPPORT EQUIPMENT		
115	PASSENGER CARRYING VEHICLES	6,123	6,123
116	GENERAL PURPOSE TRUCKS	2,693	---
117	CONSTRUCTION & MAINTENANCE EQUIP	47,301	42,510
118	FIRE FIGHTING EQUIPMENT	10,352	5,352
119	TACTICAL VEHICLES	31,475	31,475
121	POLLUTION CONTROL EQUIPMENT	2,630	2,630
122	ITEMS UNDER $5 MILLION	47,972	44,272
123	PHYSICAL SECURITY VEHICLES	1,171	1,171
	TOTAL, CIVIL ENGINEERING SUPPORT EQUIPMENT	149,717	133,533
	SUPPLY SUPPORT EQUIPMENT		
124	SUPPLY EQUIPMENT	19,693	19,693
125	FIRST DESTINATION TRANSPORTATION	4,956	4,956
126	SPECIAL PURPOSE SUPPLY SYSTEMS	668,639	668,639
	TOTAL, SUPPLY SUPPORT EQUIPMENT	693,288	693,288
	PERSONNEL AND COMMAND SUPPORT EQUIPMENT		
	TRAINING DEVICES		
127	TRAINING SUPPORT EQUIPMENT	4,026	4,026
128	TRAINING AND EDUCATION EQUIPMENT	73,454	66,376
	COMMAND SUPPORT EQUIPMENT		
129	COMMAND SUPPORT EQUIPMENT	32,390	32,390
130	MEDICAL SUPPORT EQUIPMENT	974	12,974
132	NAVAL MIP SUPPORT EQUIPMENT	5,606	4,106

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
133	OPERATING FORCES SUPPORT EQUIPMENT	16,024	16,024
134	C4ISR EQUIPMENT	6,697	6,697
135	ENVIRONMENTAL SUPPORT EQUIPMENT	27,503	27,503
136	PHYSICAL SECURITY EQUIPMENT	138,281	136,693
137	ENTERPRISE INFORMATION TECHNOLOGY	42,680	42,680
140	NEXT GENERATION ENTERPRISE SERVICE	184,443	173,443
141	CYBERSPACE ACTIVITIES	16,523	15,221
	TOTAL, PERSONNEL AND COMMAND SUPPORT EQUIPMENT	548,601	538,133
142	SPARES AND REPAIR PARTS	374,195	357,893
	CLASSIFIED PROGRAMS	18,446	18,446
	TOTAL, OTHER PROCUREMENT, NAVY	10,948,518	10,512,209

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Final Bill
1 SURFACE POWER EQUIPMENT	**11,738**	**10,661**
Gas turbine digital fuel control kits unit cost growth		-1,077
2 SURFACE COMBATANT HM&E	**58,497**	**54,628**
HM&E condition system unjustified growth		-3,687
Twister rudder installation early to need		-182
SUB PERISCOPES AND IMAGING SUPPORT EQUIPMENT 4 PROGRAM	**204,806**	**190,954**
Imaging ISIS technical insertion kits unit cost growth		-1,526
AN/BLQ-10B technical insertion kits excess growth		-12,326
5 DDG MOD	**547,569**	**512,155**
GEDMS equipment installation excess growth		-1,334
GEDMS equipment flight IIA installation excess growth		-3,181
MCS/DCS equipment flight II/IIA installation excess growth		-10,126
IBNS equipment installation excess growth		-3,061
AWS equipment installation excess growth		-11,489
Multi-mission SIGPRO equipment installation excess growth		-1,793
MC/DIAS equipment installation excess growth		-2,340
Moriah wind system equipment installation excess growth		-1,255
IVCS equipment installation excess growth		-3,335
Program increase - mobile seamanship and navigation trainer		2,500
8 LHA/LHD MIDLIFE	**78,265**	**66,512**
Propulsion and auxiliary control system kits early to need		-8,490
SCS-GOV kits early to need		-3,263
9 POLLUTION CONTROL EQUIPMENT	**23,035**	**20,222**
OPA improvements unjustified growth		-2,813
12 LCS CLASS SUPPORT EQUIPMENT	**3,976**	**7,976**
Program increase - water purification systems		4,000
14 LPD CLASS SUPPORT EQUIPMENT	**50,475**	**50,475**
LPD-19 delays		-5,000
Program increase - alternative valve actuator competition for LPDs		5,000
15 DDG-1000 SUPPORT EQUIPMENT	**42,279**	**37,859**
Diminishing manufacturing sources and material shortages unjustified growth		-3,220
DDG-1000 surface strike unjustifed request		-1,200
19 LCAC	**9,366**	**6,758**
LCAC systems upgrade unit cost growth		-623
Cold weather kits unit cost growth		-1,985

P-1	Budget Request	Final Bill
24 SHIP MAINTENANCE, REPAIR AND MODERNIZATION	**1,260,721**	**1,215,721**
Early to need		-45,000
26 REACTOR COMPONENTS	**415,404**	**401,219**
Unit cost growths of multiple components		-11,559
Field change procurement unjustified request		-2,626
28 STANDARD BOATS	**52,371**	**46,451**
EDO RIBs unit cost growth		-1,248
40PB prior year carryover		-4,672
29 OPERATING FORCES IPE	**233,667**	**218,112**
CNC shaft lathe contract delays		-15,555
30 LCS COMMON MISSION MODULES EQUIPMENT	**39,714**	**36,323**
MPCE hardware contract award delays		-1,732
MPCE tech refresh contract award delays		-1,659
31 LCS MCM MISSION MODULES	**218,822**	**189,397**
Minesweeping payload delivery system early to need		-4,686
Remote minehunting module excess to need		-24,739
32 LCS ASW MISSION MODULES	**61,759**	**38,359**
Schedule slips		-23,400
34 LCS IN-SERVICE MODERNIZATION	**121,848**	**128,848**
Program increase - continuation of the condition-based maintenance modernization of combat and communication systems including integration of additional equipment		7,000
35 SMALL & MEDIUM UUV	**67,709**	**37,585**
Knifefish concurrency		-30,124
39 SSN ACOUSTICS EQUIPMENT	**374,737**	**372,822**
Low cost conformal array kits installation excess growth		-1,915
45 AN/SLQ-32	**387,195**	**353,961**
Block 2 electronic support system tech refresh excess growth		-2,677
Block 3 kit early to need		-30,557
46 SHIPBOARD IW EXPLOIT	**235,744**	**231,072**
SSEE increment F(V) 7/8 ECP blade kits early to need		-4,672
57 ASHORE ATC EQUIPMENT	**83,475**	**82,970**
DASR tech refresh upgrade III early to need		-505
58 AFLOAT ATC EQUIPMENT	**65,113**	**57,628**
ACLS mod kits installation cost growth		-1,517
AN/SPN-46 Block IV excess installation costs		-1,345
AN/SPN-35 Block I contract award delays		-4,623

P-1	Budget Request	Final Bill
60 JOINT PRECISION APPROACH AND LANDING SYSTEM	**100,751**	**96,751**
Support costs previously funded		-4,000
69 NETWORK TACTICAL COMMON DATA LINK	**4,150**	**3,556**
CDLS tech refresh contract award delay		-594
72 ITEMS LESS THAN $5 MILLION	**159,815**	**154,572**
SPS-73 radar excess support costs		-1,523
SPS-73 installation previously funded		-3,720
73 SHIPBOARD TACTICAL COMMUNICATIONS	**56,106**	**53,743**
DMR IW and MUOS upgrade kits excess installation costs		-2,363
76 SUBMARINE BROADCAST SUPPORT	**31,133**	**25,790**
Previously funded item		-503
C4I for MILCON P-205 unjustified request		-3,487
Transmission equipment previously funded		-1,353
77 SUBMARINE COMMUNICATION EQUIPMENT	**62,214**	**56,491**
Submarine high data rate early to need		-5,723
79 NAVY MULTIBAND TERMINAL (NMT)	**64,552**	**55,342**
Afloat ship kit cost growth		-9,210
83 CRYPTOLOGIC COMMUNICATIONS EQUIP	**15,906**	**14,845**
Unit cost growth		-1,061
90 COAST GUARD EQUIPMENT	**70,689**	**61,580**
Combat system integration lifecycle engineering unjustified request		-2,197
Athena CCD integration unjustified growth		-5,748
C2P contract award delays		-1,164
92 SONOBUOYS - ALL TYPES	**237,639**	**277,297**
AN/SSQ-125 (multi-static coherent source) contract award delay		-10,342
Program increase - sonobuoys all types		50,000
94 WEAPONS RANGE SUPPORT EQUIPMENT	**83,969**	**85,469**
Program increase - TCTS restore capability		1,500
95 AIRCRAFT SUPPORT EQUIPMENT	**187,758**	**176,438**
MHU-126/202 TRLR replacement contract award delays		-1,637
Air launch and recovery equipment prior year carryover		-5,452
ADMARS block upgrade NRE previously funded		-4,231
101 AVIATION SUPPORT EQUIPMENT	**58,873**	**57,174**
Survival communications devices unjustified request		-11,699
Program increase - COTS-based advanced skills management for legacy systems upgrades		10,000

P-1	Budget Request	Final Bill
102 UMCS-UNMAN CARRIER AVIATION (UCA) MISSION CONTROL	**60,937**	**40,070**
ARC-210 radio communication system excess to need		-3,073
MUOS capable communication system excess to need		-3,019
MUOS capable communication system unit cost growth		-2,038
Ship change document excess growth		-1,837
CVN funding early to need		-10,900
104 HARPOON SUPPORT EQUIPMENT	**208**	**0**
Unjustified request		-208
105 SHIP MISSILE SUPPORT EQUIPMENT	**262,077**	**250,356**
MK57 mod 12-15 modernization previously funded		-1,202
SPY radar enhancements unjustified growth		-4,104
SPY radar refurbishment unjustified growth		-6,138
SSDS COTS conversion kits installation early to need		-277
106 TOMAHAWK SUPPORT EQUIPMENT	**84,087**	**77,370**
TTWCS product improvement previously funded		-3,112
TPMC hardware excess growth		-3,605
107 STRATEGIC MISSILE SYSTEMS EQUIP	**258,910**	**251,683**
SSI increment 16 refresh/redesign concurrency		-7,227
108 SSN COMBAT CONTROL SYSTEMS	**173,770**	**162,167**
Common weapon launcher upgrades excess to need		-11,603
109 ASW SUPPORT EQUIPMENT	**26,584**	**23,511**
High speed maneuverable surface target early to need		-3,073
112 ANTI-SHIP MISSILE DECOY SYSTEM	**86,356**	**72,056**
Advanced offboard/EW production ramp		-10,800
Advanced offboard/EW production support		-3,500
114 SURFACE TRAINING EQUIPMENT	**192,245**	**168,730**
LCS integrated tactics trainer modernization early to need		-9,000
SSC full mission trainers early to need		-14,515
116 GENERAL PURPOSE TRUCKS	**2,693**	**0**
Contract award delays		-2,693
117 CONSTRUCTION & MAINTENANCE EQUIP	**47,301**	**42,510**
Contract award delays		-7,791
Program increase - laser leveling systems for the Seabees		3,000
118 FIRE FIGHTING EQUIPMENT	**10,352**	**5,352**
Contract award delays		-5,000
122 ITEMS UNDER $5 MILLION	**47,972**	**44,272**
Prior year carryover		-3,700

P-1	Budget Request	Final Bill
128 TRAINING AND EDUCATION EQUIPMENT	**73,454**	**66,376**
West coast network consolidation unjustified request		-6,167
Arena scoreboard unjustified request		-455
Field house scoreboard unjustified request		-456
130 MEDICAL SUPPORT EQUIPMENT	**974**	**12,974**
Program increase - expeditionary medical facilities		12,000
132 NAVAL MIP SUPPORT EQUIPMENT	**5,606**	**4,106**
CR upgrade tools		-1,000
NAVAL MIP support equipment insufficient budget justification		-500
136 PHYSICAL SECURITY EQUIPMENT	**138,281**	**136,693**
Navy non-lethal effects excess to need		-1,588
140 NEXT GENERATION ENTERPRISE SERVICE	**184,443**	**173,443**
Prior year carryover		-11,000
141 CYBERSPACE ACTIVITIES	**16,523**	**15,221**
Deployable mission support systems kits excess cost growth		-1,302
142 SPARES AND REPAIR PARTS	**374,195**	**357,893**
Excess growth		-16,302

MILITARY SPECIFICATIONS

In order to preserve and promote competition within the industrial base, the Secretary of the Navy is encouraged to include commercial-off-the-shelf products and technologies when periodically updating military specifications for ship support equipment and spare parts.

PROCUREMENT, MARINE CORPS

The agreement provides $2,648,375,000 for Procurement, Marine Corps, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT, MARINE CORPS		
	WEAPONS AND COMBAT VEHICLES		
	TRACKED COMBAT VEHICLES		
1	AAV7A1 PIP	87,476	87,476
2	AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES	478,874	436,805
3	LAV PIP	41,988	37,403
	ARTILLERY AND OTHER WEAPONS		
4	155MM LIGHTWEIGHT TOWED HOWITZER	59	59
5	ARTILLERY WEAPONS SYSTEM	174,687	49,687
6	WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	24,867	38,306
	OTHER SUPPORT		
7	MODIFICATION KITS	3,067	---
	TOTAL, WEAPONS AND COMBAT VEHICLES	811,018	649,736
	GUIDED MISSILES AND EQUIPMENT		
	GUIDED MISSILES		
8	GROUND BASED AIR DEFENSE	18,920	17,686
9	ANTI-ARMOR MISSILE - JAVELIN	19,888	19,888
10	FAMILY OF ANTI-ARMOR WEAPON SYSTEMS	21,891	21,891
11	ANTI-ARMOR MISSILE - TOW	34,985	33,640
12	GUIDED MLRS ROCKET (GMLRS)	133,689	133,689
	TOTAL, GUIDED MISSILES AND EQUIPMENT	229,373	226,794
	COMMUNICATIONS AND ELECTRONICS EQUIPMENT		
	COMMAND AND CONTROL SYSTEMS		
13	COMMON AVIATION COMMAND AND CONTROL SYSTEM	35,057	35,057
	REPAIR AND TEST EQUIPMENT		
14	REPAIR AND TEST EQUIPMENT	24,405	24,405
15	MODIFICATION KITS	1,006	1,006
	OTHER SUPPORT (TEL)		
	COMMAND AND CONTROL		
16	ITEMS UNDER $5 MILLION (COMM & ELEC)	69,725	69,725
17	AIR OPERATIONS C2 SYSTEMS	15,611	8,241
	RADAR + EQUIPMENT (NON-TEL)		
19	GROUND/AIR TASK ORIENTED RADAR	284,283	276,673
	INTELL/COMM EQUIPMENT (NON-TEL)		
20	GCSS-MC	1,587	1,587
21	FIRE SUPPORT SYSTEM	24,934	24,934

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
22	INTELLIGENCE SUPPORT EQUIPMENT	50,728	48,763
24	UNMANNED AIR SYSTEMS	24,853	20,889
25	DCGS-MC	38,260	37,510
26	UAS PAYLOADS	5,489	5,489
	OTHER SUPPORT (NON-TEL)		
29	NEXT GENERATION ENTERPRISE SERVICE	78,922	71,612
30	COMMON COMPUTER RESOURCES	35,349	33,349
31	COMMAND POST SYSTEMS	33,713	26,993
32	RADIO SYSTEMS	343,250	340,333
33	COMM SWITCHING & CONTROL SYSTEMS	40,627	30,892
34	COMM & ELEC INFRASTRUCTURE SUPPORT	43,782	43,782
35	CYBERSPACE ACTIVITIES	53,896	43,985
	TOTAL, COMMUNICATIONS AND ELECTRONICS EQUIPMENT	1,205,477	1,145,225
	SUPPORT VEHICLES		
	ADMINISTRATIVE VEHICLES		
37	COMMERCIAL CARGO VEHICLES	22,460	22,460
	TACTICAL VEHICLES		
38	MOTOR TRANSPORT MODIFICATIONS	10,739	10,739
39	JOINT LIGHT TACTICAL VEHICLE	381,675	368,675
40	FAMILY OF TACTICAL TRAILERS	2,963	2,963
	TOTAL, SUPPORT VEHICLES	417,837	404,837
	ENGINEER AND OTHER EQUIPMENT		
	ENGINEER AND OTHER EQUIPMENT		
42	ENVIRONMENTAL CONTROL EQUIP ASSORTED	385	385
43	TACTICAL FUEL SYSTEMS	501	501
44	POWER EQUIPMENT ASSORTED	23,430	23,430
45	AMPHIBIOUS SUPPORT EQUIPMENT	5,752	5,752
46	EOD SYSTEMS	20,939	17,349
	MATERIALS HANDLING EQUIPMENT		
47	PHYSICAL SECURITY EQUIPMENT	23,063	23,063
	GENERAL PROPERTY		
48	FIELD MEDICAL EQUIPMENT	4,187	4,187
49	TRAINING DEVICES	101,765	83,867
50	FAMILY OF CONSTRUCTION EQUIPMENT	19,305	22,305

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
51	ULTRA-LIGHT TACTICAL VEHICLE	678	678
52	OTHER SUPPORT ITEMS LESS THAN $5 MILLION	9,174	9,174
	TOTAL, ENGINEER AND OTHER EQUIPMENT	209,179	190,691
53	SPARES AND REPAIR PARTS	27,295	27,295
	CLASSIFIED PROGRAMS	3,797	3,797
	TOTAL, PROCUREMENT, MARINE CORPS	2,903,976	2,648,375

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1	Budget Request	Final Bill
2 AMPHIBIOUS COMBAT VEHICLE FAMILY OF VEHICLES	**478,874**	**436,805**
Surface vehicle cost prior year carryover		-7,347
System engineering program management previously funded		-8,862
Production support previously funded		-1,713
Peculiar training equipment and simulators previously funded		-2,550
ILS excess growth		-10,460
Engineering change orders excess growth		-11,137
3 LAV PIP	**41,988**	**37,403**
Intercom unit cost growth		-4,585
5 ARTILLERY WEAPONS SYSTEM	**174,687**	**49,687**
Missiles excess to need		-125,000
6 WEAPONS AND COMBAT VEHICLES UNDER $5 MILLION	**24,867**	**38,306**
RHGPK production units previously funded and cost growth		-1,861
Program increase - reconnaissance weapon system		5,300
Program increase - rifle squad suppressor		10,000
7 MODIFICATION KITS	**3,067**	**0**
Marine Corps identified excess to need		-3,067
8 GROUND BASED AIR DEFENSE	**18,920**	**17,686**
Support costs previously funded		-1,234
11 ANTI-ARMOR MISSILE - TOW	**34,985**	**33,640**
Missile cost prior year carryover		-1,345
17 AIR OPERATIONS C2 SYSTEMS	**15,611**	**8,241**
CTN CAB-E antenna procurement previously funded		-4,580
CTN CAB-E initial issue provisioning excess to need		-2,790
19 GROUND/AIR TASK ORIENTED RADAR	**284,283**	**276,673**
Radar decoys unjustified request		-1,210
Undistributed reduction		-6,400
22 INTELLIGENCE SUPPORT EQUIPMENT	**50,728**	**48,763**
SCI comms fielding and initial support early to need		-1,965
24 UNMANNED AIR SYSTEMS	**24,853**	**20,889**
Long range/long endurance unjustified request		-6,964
Program increase - short range/short endurance VTOL		3,000
25 DCGS-MC	**38,260**	**37,510**
Software previously funded		-750

P-1	Budget Request	Final Bill
29 NEXT GENERATION ENTERPRISE SERVICE	**78,922**	**71,612**
Network equipment tech refresh previously funded		-4,799
Enterprise infrastructure modernization previously funded		-2,511
30 COMMON COMPUTER RESOURCES	**35,349**	**33,349**
Marine Corps wargaming capability forward financed		-2,000
31 COMMAND POST SYSTEMS	**33,713**	**26,993**
NOTM utility task vehicle unjustified request		-6,720
32 RADIO SYSTEMS	**343,250**	**340,333**
Ancillary and accessory components forward financed		-2,917
33 COMM SWITCHING & CONTROL SYSTEMS	**40,627**	**30,892**
ECP network equipment excess growth		-9,735
35 CYBERSPACE ACTIVITIES	**53,896**	**43,985**
Robust infrastructure excess growth		-11,911
Program increase - advanced cyber threat detection capabilities		2,000
39 JOINT LIGHT TACTICAL VEHICLE	**381,675**	**368,675**
Prior year carryover		-13,000
46 EOD SYSTEMS	**20,939**	**17,349**
PM acquisition support excess growth		-3,590
49 TRAINING DEVICES	**101,765**	**83,867**
Force on force training systems production carryover		-11,898
Ranges and training area management early to need		-6,000
50 FAMILY OF CONSTRUCTION EQUIPMENT	**19,305**	**22,305**
Program increase - laser leveling systems		3,000

AIRCRAFT PROCUREMENT, AIR FORCE

The agreement provides $19,212,753,000 for Aircraft Procurement, Air Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	AIRCRAFT PROCUREMENT, AIR FORCE		
	COMBAT AIRCRAFT		
	TACTICAL FORCES		
1	F-35	4,567,018	5,606,799
2	F-35 (AP-CY)	610,800	610,800
4	F-15EX	1,269,847	1,233,647
5	F-15EX (AP-CY)	133,500	133,500
	TOTAL, COMBAT AIRCRAFT	6,581,165	7,584,746
	AIRLIFT AIRCRAFT/TACTICAL AIRLIFT		
7	KC-46A TANKER	2,850,151	2,665,299
	OTHER AIRLIFT		
8	C-130J	37,131	797,131
10	MC-130J	362,807	355,107
11	MC-130J (AP)	39,987	30,000
	TOTAL, AIRLIFT AIRCRAFT	3,290,076	3,847,537
	OTHER AIRCRAFT		
	HELICOPTERS		
12	UH-1N REPLACEMENT	194,016	194,016
13	COMBAT RESCUE HELICOPTER	973,473	909,909
13A	CV-22	---	206,220
	MISSION SUPPORT AIRCRAFT		
15	CIVIL AIR PATROL A/C	2,811	11,200
	OTHER AIRCRAFT		
16	TARGET DRONES	133,273	133,273
18	COMPASS CALL	161,117	159,867
20	MQ-9	29,409	---
	E-11	---	63,419
	TOTAL, OTHER AIRCRAFT	1,494,099	1,677,904
	MODIFICATION OF INSERVICE AIRCRAFT		
	STRATEGIC AIRCRAFT		
22	B-1	3,853	---
23	B-2A	31,476	30,819
24	B-1B	21,808	21,808
25	B-52	53,949	27,279
26	LARGE AIRCRAFT INFRARED COUNTERMEASURES	9,999	9,999

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	TACTICAL AIRCRAFT		
27	A-10	135,793	135,793
28	E-11 BACN/HAG	33,645	29,645
29	F-15	349,304	203,910
30	F-16	615,760	622,593
32	F-22A	387,905	357,586
33	F-35 MODIFICATIONS	322,185	295,832
34	F-15 EPAW	31,995	---
35	INCREMENT 3.2b	5,889	5,889
36	KC-46A MODS	24,085	4,085
	AIRLIFT AIRCRAFT		
37	C-5	62,108	50,279
38	C-17A	66,798	44,798
40	C-32A	2,947	2,947
41	C-37A	12,985	12,985
	TRAINER AIRCRAFT		
42	GLIDER MODS	977	977
43	T6	26,829	23,929
44	T-1	4,465	4,465
45	T-38	36,806	40,806
	OTHER AIRCRAFT		
46	U-2 MODS	110,618	110,618
47	KC-10A (ATCA)	117	117
49	VC-25A MOD	1,983	1,983
50	C-40	9,252	7,252
51	C-130	5,871	265,580
52	C130J MODS	140,032	136,632
53	C-135	88,250	82,350
55	COMPASS CALL MODS	193,389	169,683
57	RC-135	191,332	191,332
58	E-3	172,141	118,068
59	E-4	58,803	44,140
60	E-8	11,037	22,037
60	AIRBORNE WARNING AND CONTROL SYSTEM	53,343	53,343

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
62	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	1,573	1,573
63	H-1	4,410	4,410
64	H-60	44,538	34,728
65	RQ-4 UAV MODS	40,468	3,350
66	HC/MC-130 MODIFICATIONS	20,780	20,780
67	OTHER AIRCRAFT	100,774	100,774
68	MQ-9 MODS	188,387	155,011
70	CV-22 MODS	122,306	113,106
	TOTAL, MODIFICATION OF INSERVICE AIRCRAFT	3,800,965	3,563,291
	AIRCRAFT SPARES AND REPAIR PARTS		
71	INITIAL SPARES/REPAIR PARTS	926,683	907,949
	AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		
	COMMON SUPPORT EQUIPMENT		
73	AIRCRAFT REPLACEMENT SUPPORT EQUIP	132,719	123,869
	POST PRODUCTION SUPPORT		
74	B-2A	1,683	1,683
75	B-2B	46,734	37,310
76	B-52	1,034	1,034
79	E-11 BACN/HAG	63,419	---
80	F-15	2,632	2,632
81	F-16 POST PRODUCTION SUPPORT	14,163	14,163
83	OTHER AIRCRAFT	4,595	4,595
84	RQ-4 POST PRODUCTION CHARGES	32,585	1,750
	INDUSTRIAL PREPAREDNESS		
85	INDUSTRIAL PREPAREDNESS	18,215	18,215
	WAR CONSUMABLES		
86	WAR CONSUMABLES	36,046	32,046
	OTHER PRODUCTION CHARGES		
87	OTHER PRODUCTION CHARGES	1,439,640	1,372,337
	TOTAL, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	1,793,465	1,609,634
	CLASSIFIED PROGRAMS	21,692	21,692
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE	17,908,145	19,212,753

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
1	**F-35**	**4,567,018**	**5,606,799**
	Program increase - twelve aircraft		1,129,000
	Program increase - depot standup acceleration		167,900
	Prior-year credit adjustment excess to need		-156,000
	Unit cost adjustment		-101,119
4	**F-15EX**	**1,269,847**	**1,233,647**
	Unit cost adjustment		-36,200
7	**KC-46**	**2,850,151**	**2,665,299**
	ECO excess to need		-142,352
	Depot standup activities forward financing		-42,500
8	**C-130J**	**37,131**	**797,131**
	Program increase - two aircraft only for the Air Force Reserve		190,000
	Program increase - six aircraft only for the Air National Guard		570,000
10	**MC-130J**	**362,807**	**355,107**
	Air Force identified excess to need		-7,700
11	**MC-130J (AP)**	**39,987**	**30,000**
	Excess to need		-9,987
13	**COMBAT RESCUE HELICOPTER**	**973,473**	**909,909**
	Modernization/upgrades ahead of need		-63,564
13A	**CV-22**	**0**	**206,220**
	Program increase - two aircraft		206,220
15	**CIVIL AIR PATROL**	**2,811**	**11,200**
	Program increase		8,389
18	**COMPASS CALL**	**161,117**	**159,867**
	PMA funded in mods line		-1,250
20	**MQ-9**	**29,409**	**0**
	Production line shutdown ahead of need		-29,409
20A	**E-11**	**0**	**63,419**
	Air Force requested transfer from line 79		63,419
22	**B-1**	**3,853**	**0**
	CITS unjustified request		-3,853
23	**B-2**	**31,476**	**30,819**
	LOSSM PMA unjustified		-657

P-1		Budget Request	Final Bill
25	**B-52**	**53,949**	**27,279**
	Bomber TDL installation funding ahead of need		-2,000
	Bomber TDL kit rephasing		-12,813
	GPS-IU funding ahead of need		-11,857
28	**E-11 BACN/HAG**	**33,645**	**29,645**
	Survivability kits - one excess to need		-4,000
29	**F-15**	**349,304**	**203,910**
	APG-82 common configuration excess to need		-12,012
	MUOS ahead of need		-8,050
	APG-82(V)1 carryover		-101,000
	APG-82(V)1 other government costs excess to need		-12,094
	Overestimation of APG-82(V)1 installation costs		-10,728
	F-15C APG-63(V)3 common configuration requirement rescinded		-1,510
30	**F-16**	**615,760**	**622,593**
	Comm Suite Upgrade forward financing		-43,000
	AIFF Mode 5 - Air Force requested transfer to RDTE,AF line 187		-9,868
	Program increase - AESA radars for Air National Guard aircraft		75,000
	ALR-69A undefinitized acquisition strategy		-12,000
	AESA unit cost		-3,299
32	**F-22A**	**387,905**	**357,586**
	Sensor enhancement insufficient justification		-6,597
	Crypto mod installation funding excess to need		-3,115
	RAMP excess to need		-20,607
33	**F-35 MODIFICATIONS**	**322,185**	**295,832**
	Program increase - reliability and maintainability improvement program		20,000
	Correction of deficiencies ICS overestimation		-27,836
	DTIP kits carryover		-12,000
	DTIP B-kits unit cost adjustment		-6,517
34	**F-15 EPAWSS**	**31,995**	**0**
	EPAWSS development delays		-31,995
36	**KC-46 MODS**	**24,085**	**4,085**
	Ahead of need		-20,000
37	**C-5**	**62,108**	**50,279**
	CMC Wx radar installation delays		-6,098
	Air Force-identified CNS/ATM excess to need		-2,131
	CNS/ATM advisory services unjustified growth		-3,600
38	**C-17**	**66,798**	**44,798**
	BLOS program delay		-22,000
43	**T-6**	**26,829**	**23,929**
	Other government costs unjustified		-2,900

P-1		Budget Request	Final Bill
45	**T-38**	**36,806**	**40,806**
	TRIM kit installations ahead of need		-1,000
	Program increase - T-38 ejection seat upgrade		5,000
50	**C-40**	**9,252**	**7,252**
	Wideband SATCOM install funding ahead of need		-2,000
51	**C-130**	**5,871**	**265,580**
	Program increase - engine enhancement program		79,000
	Program increase - [eight blade] propeller upgrade		180,000
	Program increase - modular airborne firefighting system		4,600
	AMP 1 excess to need		-3,841
	AMP 2 ahead of need		-50
52	**C-130J MODS**	**140,032**	**136,632**
	Block 8.1 OGC forward financing		-3,400
53	**C-135**	**88,250**	**82,350**
	RPI forward financing		-5,900
55	**COMPASS CALL MODS**	**193,389**	**169,683**
	Mission crew simulator ahead of need		-15,000
	Baseline 3 installation delays		-8,706
58	**E-3**	**172,141**	**118,068**
	NATO AWACS - Air Force requested transfer to line 87		-36,401
	IPEC B-kit NRE unjustified growth		-6,593
	IPEC change orders unjustified growth		-5,579
	Overestimation of DRAGON installation costs		-5,500
59	**E-4**	**58,803**	**44,140**
	Survivable SHF ahead of need		-14,663
60	**E-8**	**11,037**	**22,037**
	Program increase - JSTARS		11,000
64	**H-60**	**44,538**	**34,728**
	DVE kits ahead of need		-9,810
65	**RQ-4 MODS**	**40,468**	**3,350**
	Mod funding unjustified		-26,118
	Communication/interoperability enhancements		-9,000
	ASIP SW/HW upgrades and support forward financed		-2,000
68	**MQ-9 MODS**	**188,387**	**155,011**
	GCS block 30 A and B kits unjustified		-3,376
	MQ-9 upgrade other government costs growth		-30,000

P-1		Budget Request	Final Bill
70	**CV-22 MODS**	**122,306**	**113,106**
	Nacelle improvements concurrency		-9,200
71	**INITIAL SPARES/REPAIR PARTS**	**926,683**	**907,949**
	F-15 EPAWSS spares ahead of need		-8,044
	F-16 digital RWR carryover		-3,535
	F-16 AIFF Mode 5 excess to need		-1,003
	F-16 Auto GCAS forward financing		-1,906
	AWACS ahead of need		-14,246
	Program increase - F-35 spares		10,000
73	**AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT**	**132,719**	**123,869**
	BAT milestone C delay		-6,600
	ARTS ICS unjustified growth		-1,250
	Aircraft engine trailers unjustified growth		-1,000
75	**B-2B**	**46,734**	**37,310**
	Unjustified support costs		-9,424
79	**E-11 BACN/HAG**	**63,419**	**0**
	Air Force requested transfer to line 20A		-63,419
84	**RQ-4**	**32,585**	**1,750**
	GSMP development delays		-7,330
	MS-177 ICS forward financed		-23,505
86	**WAR CONSUMABLES**	**36,046**	**32,046**
	Prior year carryover		-4,000
87	**OTHER PRODUCTION CHARGES**	**1,439,640**	**1,372,337**
	NATO AWACS - Air Force requested transfer from line 58		36,401
	Air Force-identified CNS/ATM excess to need		-9,304
	EW POD forward financing		-12,500
	F-15 depot standup forward financing		-7,200
	F-15 EPAWSS depot standup ahead of need		-37,000
	Classified adjustment		-37,700

C–130 FLEET MANAGEMENT PLAN AND MODERNIZATION ROADMAP

The Secretary of the Air Force is directed to submit a report to the congressional defense committees, not later than 60 days after the submission of the fiscal year 2022 budget request, which provides a C–130 fleet management plan and modernization roadmap. The report shall include an analysis of the theater and domestic airlift requirements of the National Defense Strategy, the number of C–130 aircraft needed to fulfill those requirements, justification for any planned or proposed reduction in fleet size, and the extent to which these requirements need to be refined by further study and analysis. The report shall also provide, through the entire future years defense program (FYDP), the current and projected C–130 total active aerospace vehicle inventory and backup aerospace vehicle inventory by unit and variant, including aircraft in attrition reserve. Further, the report shall describe modernization and recapitalization plans for C–130 aircraft through the FYDP, along with funding requirements by appropriation and budget line item. Finally, to the extent that the Air Force plans or proposes to reduce aircraft inventory from fiscal year 2021 through the end of the fiscal year 2022 FYDP, the report shall describe plans to modify proficiency training or deployment requirements for affected units to account for planned or proposed reduction in the number of aircraft assigned to those units. This language replaces the language under the heading ''C–130 Fleet Management Plan'' in House Report 116–453.

LC–130H

The Secretary of the Air Force is directed to submit a report to the congressional defense committees on LC–130H aircraft not later than 90 days after the enactment of this Act. The report shall include information on the age and estimated service life of the aircraft, trends in operating costs and mission capable rate, known sustainment and safety problems, the benefits of both completed and planned aircraft modifications, and an estimate of the cost of replacing these aircraft with C–130Js, including the cost of the required unique mission modifications. Further, the report shall be submitted with comments from the Chief of the National Guard Bureau to include, at minimum, an analysis of current LC–130H fleet force structure and capabilities requirements and an itemized list of unfunded recapitalization and modernization requirements. This language replaces the language under the heading ''LC–130H Aircraft'' in House Report 116–453.

MISSILE PROCUREMENT, AIR FORCE

The agreement provides $2,142,181,000 for Missile Procurement, Air Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	MISSILE PROCUREMENT, AIR FORCE		
	BALLISTIC MISSILES		
	MISSILE REPLACEMENT EQUIPMENT - BALLISTIC		
1	MISSILE REPLACEMENT EQ-BALLISTIC	75,012	73,474
	OTHER MISSILES		
	TACTICAL		
2	REPLAC EQUIP & WAR CONSUMABLES	4,495	4,495
4	JOINT AIR-SURFACE STANDOFF MISSILE (JASSM)	475,949	470,009
5	LONG RANGE ANTI-SHIP MISSILE (LRASMO)	19,800	19,800
6	SIDEWINDER (AIM-9X)	164,769	164,769
7	AMRAAM	453,223	313,223
8	PREDATOR HELLFIRE MISSILE	40,129	40,129
9	SMALL DIAMETER BOMB	45,475	45,475
10	SMALL DIAMETER BOMB II	273,272	209,972
	INDUSTRIAL FACILITIES		
11	INDUSTRIAL PREPAREDNESS/POLLUTION PREVENTION	814	814
	TOTAL, OTHER MISSILES	1,477,926	1,268,686
	MODIFICATION OF INSERVICE MISSILES		
	CLASS IV		
13	ICBM FUZE MOD	3,458	---
14	ICBM FUZE MOD	43,450	43,450
15	MM III MODIFICATIONS	85,310	81,137
16	AGM-65D MAVERICK	298	298
17	AIR LAUNCH CRUISE MISSILE	52,924	52,924
	TOTAL, MODIFICATION OF INSERVICE MISSILES	185,440	177,809
	SPARES AND REPAIR PARTS		
18	INITIAL SPARES/REPAIR PARTS	9,402	13,575
19	REPLEN SPARES/REPAIR PARTS	84,671	84,671
	TOTAL, SPARES AND REPAIR PARTS	94,073	98,246

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	SPECIAL PROGRAMS		
23	SPECIAL UPDATE PROGRAMS	23,501	23,501
	CLASSIFIED PROGRAMS	540,465	500,465
	TOTAL, SPECIAL PROGRAMS	563,966	523,966
	TOTAL, MISSILE PROCUREMENT, AIR FORCE	2,396,417	2,142,181

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
1	**MISSILE REPLACEMENT EQUIPMENT-BALLISTIC**	**75,012**	**73,474**
	PIGA/G6B4 ahead of need		-1,538
4	**JASSM**	**475,949**	**470,009**
	AGM-158D pricing adjustment		-5,940
7	**AMRAAM**	**453,223**	**313,223**
	Contract delays		-69,000
	AUR unit cost growth		-1,300
	F3R schedule delay		-69,700
10	**SMALL DIAMETER BOMB II**	**273,272**	**209,972**
	Container unit cost growth		-2,400
	AUR unit cost adjustment		-60,900
13	**ICBM FUZE MOD**	**3,458**	**0**
	Recurring procurement excess to need		-3,458
15	**MINUTEMAN III MODIFICATIONS**	**85,310**	**81,137**
	Initial spares - Air Force requested transfer to line 18		-4,173
18	**MISSILE SPARES / REPAIR PARTS**	**9,402**	**13,575**
	Initial spares - Air Force requested transfer from line 15		4,173
999	**CLASSIFIED PROGRAMS**	**540,465**	**500,465**
	Classified adjustment		-40,000

PROCUREMENT OF AMMUNITION, AIR FORCE

The agreement provides $550,844,000 for Procurement of Ammunition, Air Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT OF AMMUNITION, AIR FORCE		
	PROCUREMENT OF AMMO, AIR FORCE		
1	ROCKETS	14,962	14,962
2	CARTRIDGES	123,365	117,365
	BOMBS		
3	PRACTICE BOMBS	59,725	34,313
6	JOINT DIRECT ATTACK MUNITION	206,989	221,989
7	B61	35,634	35,634
9	CAD/PAD	47,830	47,830
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD)	6,232	6,232
11	SPARES AND REPAIR PARTS	542	542
12	MODIFICATIONS	1,310	1,310
13	ITEMS LESS THAN $5,000,000	4,753	4,753
	FLARES/FUZES		
15	FLARES	40,088	40,088
16	FUZES	40,983	11,901
	TOTAL, PROCUREMENT OF AMMO, AIR FORCE	582,413	536,919
	WEAPONS		
17	SMALL ARMS	13,925	13,925
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE	596,338	550,844

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
2	**CARTRIDGES**	**123,365**	**117,365**
	BBU-48 early to need		-6,000
3	**PRACTICE BOMBS**	**59,725**	**34,313**
	Unjustified growth		-25,412
6	**JOINT DIRECT ATTACK MUNITION**	**206,989**	**221,989**
	Program increase - JDAM laser kits		15,000
16	**FUZES**	**40,983**	**11,901**
	Program decrease		-27,000
	FMU-139D/B excess		-2,082

OTHER PROCUREMENT, AIR FORCE

The agreement provides $23,441,648,000 for Other Procurement, Air Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OTHER PROCUREMENT, AIR FORCE		
	VEHICULAR EQUIPMENT		
	PASSENGER CARRYING VEHICLES		
1	PASSENGER CARRYING VEHICLE	9,016	9,016
	CARGO + UTILITY VEHICLES		
2	FAMILY MEDIUM TACTICAL VEHICLE	15,058	15,058
3	CAP VEHICLES	1,059	1,800
4	ITEMS LESS THAN $5M (CARGO AND UTILITY VEHICLES)	38,920	37,620
	SPECIAL PURPOSE VEHICLES		
5	JOINT LIGHT TACTICAL VEHICLE	30,544	30,544
6	SECURITY AND TACTICAL VEHICLES	319	319
7	ITEMS LESS THAN $5M (SPECIAL PURPOSE VEHICLES)	43,157	43,157
	FIRE FIGHTING EQUIPMENT		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	8,621	8,621
	MATERIALS HANDLING EQUIPMENT		
9	ITEMS LESS THAT $5M (MATERIALS HANDLING EQUIPMENT)	12,897	12,897
	BASE MAINTENANCE SUPPORT		
10	RUNWAY SNOW REMOVAL & CLEANING EQUIP	3,577	3,577
11	ITEMS LESS THAN $5M (BASE MAINTENANCE SUPPORT VEHICLES)	43,095	43,095
	TOTAL, VEHICULAR EQUIPMENT	206,263	205,704
	ELECTRONICS AND TELECOMMUNICATIONS EQUIP		
	COMM SECURITY EQUIPMENT(COMSEC)		
13	COMSEC EQUIPMENT	54,864	54,864
	INTELLIGENCE PROGRAMS		
14	INTERNATIONAL INTEL TECH AND ARCHITECTURES	9,283	10,783
15	INTELLIGENCE TRAINING EQUIPMENT	6,849	6,349
16	INTELLIGENCE COMM EQUIP	33,471	31,771
	ELECTRONICS PROGRAMS		
17	TRAFFIC CONTROL/LANDING	29,409	25,842
18	BATTLE CONTROL SYSTEM - FIXED	7,909	7,909
19	THEATER AIR CONTROL SYS IMPRO	32,632	32,632
20	WEATHER OBSERVATION FORECAST	33,021	33,021
21	STRATEGIC COMMAND AND CONTROL	31,353	28,407
22	CHEYENNE MOUNTAIN COMPLEX	10,314	8,199
23	MISSION PLANNING SYSTEMS	15,132	15,132

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
25	INTEGRATED STRAT PLAN AND ANALY NETWORK (ISPAN)...	9,806	9,806
	SPECIAL COMM-ELECTRONICS PROJECTS		
26	GENERAL INFORMATION TECHNOLOGY.....	39,887	36,700
27	AF GLOBAL COMMAND & CONTROL SYSTEM.....	2,602	2,602
29	MOBILITY COMMAND AND CONTROL.....	10,541	10,541
30	AIR FORCE PHYSICAL SECURITY SYSTEM.....	96,277	85,277
31	COMBAT TRAINING RANGES.....	195,185	193,185
32	MINIMUM ESSENTIAL EMERGENCY COMM N.....	29,664	21,664
33	WIDE AREA SURVEILLANCE (WAS).....	59,633	47,538
34	C3 COUNTERMEASURES.....	105,584	100,084
36	DEFENSE ENTERPRISE ACCOUNTING AND MGMT.....	899	899
38	THEATER BATTLE MGT C2 SYS.....	3,392	3,392
39	AIR AND SPACE OPERATIONS CTR-WPN SYSTEM.....	24,983	15,383
	AIR FORCE COMMUNICATIONS		
41	INFORMATION TRANSPORT SYSTEMS.....	19,147	19,147
42	AFNET.....	84,515	84,515
43	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE).....	6,185	6,185
44	USCENTCOM.....	19,649	19,649
45	USSTRATCOM.....	4,337	4,337
	ORGANIZATION AND BASE		
46	TACTICAL C-E EQUIPMENT.....	137,033	132,733
47	RADIO EQUIPMENT.....	15,264	15,264
49	BASE COMM INFRASTRUCTURE.....	132,281	169,208
	MODIFICATIONS		
50	COMM ELECT MODS.....	21,471	21,471
	TOTAL, ELECTRONICS AND TELECOMMUNICATIONS EQUIP.	1,282,572	1,254,489
	OTHER BASE MAINTENANCE AND SUPPORT EQUIP		
	PERSONAL SAFETY AND RESCUE EQUIP		
51	ITEMS LESS THAN $5,000,000 (SAFETY).....	49,578	49,578
	DEPOT PLANT + MATERIALS HANDLING EQ		
52	POWER CONDITIONING EQUIPMENT.....	11,454	11,454
53	MECHANIZED MATERIAL HANDLING.....	12,110	12,110
	BASE SUPPORT EQUIPMENT		
54	BASE PROCURED EQUIPMENT.....	21,142	27,342

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
55	ENGINEERING AND EOD EQUIPMENT	7,700	7,700
56	MOBILITY EQUIPMENT	18,266	18,266
57	FUELS SUPPORT EQUIPMENT (FSE)	9,601	9,601
58	ITEMS LESS THAN $5M (BASE SUPPORT)	42,078	42,078
	SPECIAL SUPPORT PROJECTS		
60	DARP RC135	27,164	27,164
61	DISTRIBUTED GROUND SYSTEMS	121,528	121,528
63	SPECIAL UPDATE PROGRAM	782,641	731,941
	TOTAL, OTHER BASE MAINTENANCE AND SUPPORT EQUIP.	1,103,262	1,058,762
	SPARE AND REPAIR PARTS		
64	SPARES AND REPAIR PARTS (CYBER)	1,664	1,664
65	SPARES AND REPAIR PARTS	15,847	15,847
	CLASSIFIED PROGRAMS	21,086,112	20,905,182
	TOTAL, OTHER PROCUREMENT, AIR FORCE	23,695,720	23,441,648

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
3	**CAP VEHICLES**	**1,059**	**1,800**
	Program increase		741
4	**CARGO AND UTILITY VEHICLES**	**38,920**	**37,620**
	Unit cost growth		-1,300
14	**INTERNATIONAL INTEL TECH & ARCHITECTURES**	**9,283**	**10,783**
	Program increase - PDI-Mission Partner Environment BICES-X		1,500
15	**INTELLIGENCE TRAINING EQUIPMENT**	**6,849**	**6,349**
	Poor justification materials		-500
16	**INTELLIGENCE COMM EQUIPMENT**	**33,471**	**31,771**
	IMAD acquisition strategy		-1,700
17	**AIR TRAFFIC CONTROL & LANDING SYSTEMS**	**29,409**	**25,842**
	DARC excess to need		-3,567
21	**STRATEGIC COMMAND AND CONTROL**	**31,353**	**28,407**
	JADC2 procurement growth unjustified		-2,946
22	**CHEYENNE MOUNTAIN COMPLEX**	**10,314**	**8,199**
	Transfer to P,SF line 17		-2,115
26	**GENERAL INFORMATION TECHNOLOGY**	**39,887**	**36,700**
	LOGIT		-391
	Unjustified communications and IT request		-2,796
30	**AIR FORCE PHYSICAL SECURITY SYSTEM**	**96,277**	**85,277**
	Prior year carryover		-11,000
31	**COMBAT TRAINING RANGES**	**195,185**	**193,185**
	Forward financing		-2,000
32	**MEECN**	**29,664**	**21,664**
	Production funding excess to need		-8,000
33	**WIDE AREA SURVEILLANCE**	**59,633**	**47,538**
	Air Force requested transfer to RDTE,AF line 182		-4,795
	Forward financing		-7,300
34	**C3 COUNTERMEASURES**	**105,584**	**100,084**
	Unit cost growth		-5,500
39	**AIR AND SPACE OPERATIONS CENTER (AOC)**	**24,983**	**15,383**
	Excess to need		-6,000
	Maintain level of effort		-3,600
46	**TACTICAL C-E EQUIPMENT**	**137,033**	**132,733**
	Test benches		-4,300

P-1		Budget Request	Final Bill
49	**BASE COMM INFRASTRUCTURE**	**132,281**	**169,208**
	Program increase - PDI-Mission Partner Environment PACNET		14,000
	Air Force requested transfer from OM,AF SAG 21D		22,927
54	**BASE PROCURED EQUIPMENT**	**21,142**	**27,342**
	Program increase - laboratory equipment		6,200
63	**SPECIAL UPDATE PROGRAM**	**782,641**	**731,941**
	Classified adjustment		-50,700
999	**CLASSIFIED PROGRAMS**	**21,086,112**	**20,905,182**
	Classified adjustment		-180,930

PROCUREMENT, SPACE FORCE

The agreement provides $2,310,994,000 for Procurement, Space Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT, SPACE FORCE		
	SPACE PROGRAMS		
1	ADVANCED EHF	14,823	7,823
2	AF SATELLITE COMM SYSTEM	48,326	53,326
3	COUNTERSPACE SYSTEMS	65,540	49,155
4	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS	66,190	61,190
5	GENERAL INFORMATION TECH - SPACE	3,299	3,299
6	GPSIII FOLLOW ON	627,796	597,796
7	GPS III SPACE SEGMENT	20,122	20,122
8	GLOBAL POSTIONING (SPACE)	2,256	2,256
9	SPACEBORNE EQUIP (COMSEC)	35,495	35,495
10	MILSATCOM	15,795	15,795
11	SBIR HIGH (SPACE)	160,891	145,891
12	SPECIAL SPACE ACTIVITIES	78,387	78,387
13	NATIONAL SECURITY SPACE LAUNCH	1,043,171	996,371
14	NUDET DETECTION SYSTEM	6,638	6,638
15	ROCKET SYSTEMS LAUNCH PROGRAM	47,741	47,741
16	SPACE FENCE	11,279	11,279
17	SPACE MODS	96,551	86,666
18	SPACELIFT RANGE SYSTEM SPACE	100,492	90,492
19	SPARES AND REPAIR PARTS	1,272	1,272
	TOTAL, PROCUREMENT, SPACE FORCE	2,446,064	2,310,994

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
1	**ADVANCED EHF**	**14,823**	**7,823**
	Technical mission analysis unjustified growth		-2,000
	Prior year carryover		-5,000
2	**AF SATELLITE COMM SYSTEM**	**48,326**	**53,326**
	Program increase - cyber defense		5,000
3	**COUNTERSPACE SYSTEMS**	**65,540**	**49,155**
	CCS procurement early to need		-16,385
4	**FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS**	**66,190**	**61,190**
	Insufficient justification		-5,000
6	**GPSIII FOLLOW ON**	**627,796**	**597,796**
	Excess to need		-30,000
11	**SBIR HIGH (SPACE)**	**160,891**	**145,891**
	S2E2 undefined strategy		-15,000
13	**NATIONAL SECURITY SPACE LAUNCH**	**1,043,171**	**996,371**
	Contract savings		-46,800
17	**SPACE MODS**	**96,551**	**86,666**
	Transfer from OP,AF line 22		2,115
	Unjustified request		-12,000
18	**SPACELIFT RANGE SYSTEM SPACE**	**100,492**	**90,492**
	Underexecution		-10,000

NATIONAL SECURITY SPACE LAUNCH

The Secretary of Defense and the Director of National Intelligence are directed to utilize the Space Force launch enterprise for National Security Space Launch-class missions unless the Secretary of Defense and, if appropriate, the Director of National Intelligence certify to the congressional defense and intelligence committees that an alternative launch procurement approach for a designated mission is in the national security interest and best financial interest of the government and outline the cost analysis and any other rationale for such a determination.

PROCUREMENT, DEFENSE-WIDE

The agreement provides $5,837,347,000 for Procurement, Defense-Wide, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	PROCUREMENT, DEFENSE-WIDE		
	MAJOR EQUIPMENT		
	MAJOR EQUIPMENT, DCAA		
	MAJOR EQUIPMENT, DCMA		
2	MAJOR EQUIPMENT	1,398	1,398
	MAJOR EQUIPMENT, DCSA		
3	MAJOR EQUIPMENT	2,212	2,212
	MAJOR EQUIPMENT, DHRA		
5	PERSONNEL ADMINISTRATION	4,213	4,213
	MAJOR EQUIPMENT, DISA		
11	INFORMATION SYSTEMS SECURITY	17,211	17,211
12	TELEPORT PROGRAM	29,841	29,841
13	JOINT FORCES HEADQUARTERS - DODIN	3,091	3,091
14	ITEMS LESS THAN $5M	41,569	41,569
16	DEFENSE INFORMATION SYSTEMS NETWORK	26,978	26,978
17	WHITE HOUSE COMMUNICATION AGENCY	44,161	44,161
18	SENIOR LEADERSHIP ENTERPRISE	35,935	35,935
19	JOINT REGIONAL SECURITY STACKS (JRSS)	88,741	88,741
20	JOINT SERVICE PROVIDER	157,538	157,538
21	FOURTH ESTATE NETWORK OPTIMIZATION (4ENO)	42,084	41,084
	MAJOR EQUIPMENT, DLA		
23	MAJOR EQUIPMENT	417,459	390,459
	MAJOR EQUIPMENT, DMACT		
24	MAJOR EQUIPMENT	7,993	7,993
	MAJOR EQUIPMENT, DODEA		
25	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS	1,319	1,319
	MAJOR EQUIPMENT, DPAA		
26	MAJOR EQUIPMENT, DPAA	500	500
	MAJOR EQUIPMENT, DSS		
27	REGIONAL CENTER PROCUREMENT	1,598	1,598
	MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY		
28	VEHICLES	215	215
29	OTHER MAJOR EQUIPMENT	9,994	9,994
	MAJOR EQUIPMENT, MDA		
31	THAAD SYSTEM	495,396	578,335
32	GROUND BASED MIDCOURSE	---	150,000

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
34	AEGIS BMD	356,195	353,896
35	AEGIS BMD (AP)	44,901	44,901
36	BMDS AN/TPY-2 RADARS	---	243,270
37	AEGIS BMD SM-3 BLOCK IIA	218,322	318,322
38	ISRAELI PROGRAMS	77,000	77,000
39	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD)	50,000	50,000
40	AEGIS ASHORE PHASE III	39,114	34,629
41	IRON DOME SYSTEM	73,000	73,000
42	AEGIS BMD HARDWARE AND SOFTWARE	104,241	104,241
	MAJOR EQUIPMENT, NSA		
48	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP)	101	101
	MAJOR EQUIPMENT, OSD		
49	MAJOR EQUIPMENT, OSD	3,099	33,099
	MAJOR EQUIPMENT, TJS		
50	MAJOR EQUIPMENT, TJS	8,329	8,329
51	MAJOR EQUIPMENT - TJS CYBER	1,247	1,247
	MAJOR EQUIPMENT, WHS		
53	MAJOR EQUIPMENT, WHS	515	515
	TOTAL, MAJOR EQUIPMENT	2,405,510	2,976,935
	SPECIAL OPERATIONS COMMAND		
	AVIATION PROGRAMS		
55	ARMED OVERWATCH/TARGETING	101,000	21,000
59	SOF ROTARY WING UPGRADES AND SUSTAINMENT	211,041	211,041
60	UNMANNED ISR	25,488	24,488
61	NON-STANDARD AVIATION	61,874	61,874
62	SOF U-28	3,825	3,825
63	MH-47 CHINOOK	135,482	135,482
64	CV-22 SOF MODIFICATION	14,829	54,109
65	MQ-9 UNMANNED AERIAL VEHICLE	6,746	6,746
66	PRECISION STRIKE PACKAGE	243,111	233,111
67	AC/MC-130J	163,914	153,914
68	C-130 MODIFICATIONS	20,414	17,014
	SHIPBUILDING		
69	UNDERWATER SYSTEMS	20,556	20,556

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	AMMUNITION PROGRAMS		
70	SOF ORDNANCE ITEMS UNDER $5,000,000	186,197	184,297
	OTHER PROCUREMENT PROGRAMS		
71	SOF INTELLIGENCE SYSTEMS	94,982	94,982
72	DCGS-SOF	11,645	11,645
73	OTHER ITEMS UNDER $5,000,000	96,333	81,707
74	SOF COMBATANT CRAFT SYSTEMS	17,278	33,278
75	SPECIAL PROGRAMS	78,865	107,365
76	TACTICAL VEHICLES	30,158	30,158
77	WARRIOR SYSTEMS UNDER $5,000,000	260,733	303,733
78	COMBAT MISSION REQUIREMENTS	19,848	19,848
79	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	2,401	2,401
80	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	13,861	13,861
81	SOF OPERATIONAL ENHANCEMENTS	247,038	247,038
	TOTAL, SPECIAL OPERATIONS COMMAND	2,067,619	2,073,473
	CHEMICAL/BIOLOGICAL DEFENSE		
82	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS	147,150	144,023
83	CB PROTECTION AND HAZARD MITIGATION	149,944	148,752
	TOTAL, CHEMICAL/BIOLOGICAL DEFENSE	297,094	292,775
	CLASSIFIED PROGRAMS	554,264	494,164
	TOTAL, PROCUREMENT, DEFENSE-WIDE	5,324,487	5,837,347

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
21	**FOURTH ESTATE NETWORK OPTIMIZATION (4ENO)**	**42,084**	**41,084**
	Insufficient justification		-1,000
23	**MAJOR EQUIPMENT**	**417,459**	**390,459**
	MGUE excess growth		-20,000
	MGUE - DLA requested transfer to RDTE,DW line 54		-7,000
31	**THAAD SYSTEM**	**495,396**	**578,335**
	Unit cost growth		-23,494
	Program increase - HEMTT trucks		30,108
	Program increase - THAAD Battery #8		76,325
32	**GROUND BASED MIDCOURSE**	**0**	**150,000**
	Program increase - GBI boosters		150,000
34	**AEGIS BMD**	**356,195**	**353,896**
	SM-3 Block IB multiyear procurement unit cost savings		-2,299
36	**BMDS AN/TPY-2 RADARS**	**0**	**243,270**
	Program increase - THAAD Battery #8		243,270
37	**AEGIS BMD SM-3 Block IIA**	**218,322**	**318,322**
	Program increase - additional SM-3 Block IIA interceptors		100,000
40	**AEGIS ASHORE PHASE III**	**39,114**	**34,629**
	Excess growth		-4,485
49	**MAJOR EQUIPMENT, OSD**	**3,099**	**33,099**
	Mentor Protégé funding restoration		30,000
55	**ARMED OVERWATCH/TARGETING**	**101,000**	**21,000**
	Excess to need		-60,000
	Armed Overwatch - SOCOM requested transfer to RDTE, DW line 258		-20,000
60	**UNMANNED ISR**	**25,488**	**24,488**
	EOTACs insufficient budget justification		-1,000
64	**CV-22 SOF MODIFICATION**	**14,829**	**54,109**
	Program increase - two aircraft modifications		39,280
66	**PRECISION STRIKE PACKAGE**	**243,111**	**233,111**
	Excess to need		-10,000
67	**AC/MC-130J**	**163,914**	**153,914**
	RFCM excess to need		-10,000
68	**C-130 MODIFICATIONS**	**20,414**	**17,014**
	Excess to need		-3,400

P-1		Budget Request	Final Bill
70	**SOF ORDNANCE ITEMS UNDER $5M**	**186,197**	**184,297**
	Unit cost growth		-1,900
73	**SOF OTHER ITEMS UNDER $5M**	**96,333**	**81,707**
	MMP excess to need		-12,226
	Unobligated balances		-2,400
74	**SOF COMBATANT CRAFT SYSTEMS**	**17,278**	**33,278**
	Program increase - combatant craft assault		16,000
75	**SPECIAL PROGRAMS**	**78,865**	**107,365**
	Classified adjustment - excess to need		-10,000
	Program increase - classified adjustment		38,500
77	**SOF WARRIOR SYSTEMS UNDER $5M**	**260,733**	**303,733**
	Program increase - STC		20,000
	RC-IED excess to need		-2,000
	Program increase - cUAS		25,000
82	**CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS**	**147,150**	**144,023**
	Program increase - joint chemical agent detector solid liquid adapter		2,450
	Program increase - CBRN dismounted reconnaissance system		5,000
	Enhanced maritime biological detection insufficient budget justification		-7,200
	JCAD SLA support costs unjustified		-2,277
	MERLIN hardware previously funded		-1,100
83	**CB PROTECTION AND HAZARD MITIGATION**	**149,944**	**148,752**
	Program increase - joint service lightweight integrated suit technology		2,000
	Program increase - smallpox antiviral stockpile		5,500
	JSGPM insufficient budget justification		-2,600
	JSAM SA forward financing		-4,600
	UIPE insufficient budget justification		-1,492
999	**CLASSIFIED PROGRAMS**	**554,264**	**494,164**
	Classified adjustment		-60,100

DEFENSE PRODUCTION ACT PURCHASES

The agreement provides $174,639,000 for Defense Production Act Purchases, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
DEFENSE PRODUCTION ACT PURCHASES ..	181,931	174,639
Program increase—3D carbon hypersonic materials	.....	10,000
Department of Defense identified excess funding	.....	−17,292
Total, Defense Production Act Purchases	181,931	174,639

TITLE IV—RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The agreement provides $107,135,164,000 in Title IV, Research, Development, Test and Evaluation, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
RECAPITULATION		
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY.....	12,587,343	13,969,032
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY.....	21,427,048	20,078,829
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE.	37,391,826	36,357,443
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE.....	10,327,595	10,540,069
RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE.....	24,280,891	25,932,671
OPERATIONAL TEST AND EVALUATION, DEFENSE.....	210,090	257,120
GRAND TOTAL, RESEARCH, DEVELOPMENT, TEST AND EVALUATION.....	106,224,793	107,135,164

REPROGRAMMING GUIDANCE FOR ACQUISITION ACCOUNTS

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING)

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). Specifically, the dollar threshold for reprogramming funds shall be $10,000,000 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 the guidance specified in the explanatory statement accompanying the Department of Defense Appropriations Act, 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 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 statement.

FUNDING INCREASES

The funding increases outlined in these tables shall be provided only for the specific purposes indicated in the tables.

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 project level tables detailing recommended adjustments or in paragraphs using the phrase ''only for'' or ''only to'' in the 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 elsewhere in the explanatory statement.

SOFTWARE AND DIGITAL TECHNOLOGY PILOT PROGRAMS

The agreement includes a modified version of the new general provision submitted with the fiscal year 2021 President's budget request for Software and Digital Technology Pilot programs funded in a new Budget Activity Eight within the Research, Development, Test and Evaluation accounts. The agreement acknowledges the Department's rationale regarding the incremental technical challenges posed by modern software development, including implementing technical fixes to existing code, addressing cyber vulnerabilities, and integrating incrementally developed new capabilities. However, the agreement modifies the general provision under the premise that objective quantitative and qualitative evidence is needed to evaluate potential expansion of the approved pilot programs. Further, seeking additional flexibility in the execution of appropriations should not be a solution to internal accounting and guidance issues that challenge the Department's ability to execute these programs. The agreement encourages the Secretary of Defense to execute the recommended pilot programs through fiscal years 2021 and 2022, while performing a detailed analysis of the Department's accounting and financial management process for such pilot programs as compared to existing software and digital technology programs.

The Secretary of Defense is directed to submit a report to the congressional defense committees, not later than 90 days after the enactment of this Act, which details the Department's assessment plan for each of the programs recommended in the general provision. This report shall include, at a minimum: quantitative and qualitative metrics; identification of eight similar programs, with representations from each Service, funded through traditional appropriation legislation to assess concurrently for comparison; and a plan to assess each pilot program against their own historical performance when funded through traditional appropriation legislation. Following submission of the assessment plan prescribed above, the Secretary of Defense is directed to provide quarterly reports on the status of each pilot program to the congressional defense committees.

TRANSITION OF PROGRAMS FROM THE STRATEGIC CAPABILITIES OFFICE

The fiscal year 2021 President's budget request includes $730,508,000 in Research, Development, Test and Evaluation, Defense-Wide for programs managed and executed by the Strategic Capabilities Office (SCO). The transition of several programs from SCO to the Services is supported to the extent that they address Service requirements. However, it is concerning that for programs planned for transition from SCO to the Services, detailed cost, schedule, and budget data are not routinely included with budget justification materials submitted by either SCO or the Services. Further, it is noted that SCO and the Services frequently use different program names when describing the same effort, which complicates the traceability of programs and funding, and hampers congressional oversight.

Therefore, the Director, SCO, in coordination with the Service acquisition executives, is directed to provide to the congressional defense committees, with submission of the fiscal year 2022 President's budget request, a matrix identifying SCO programs with their SCO and respective transition partners' detailed program schedules, and future years defense program profiles by fiscal year, appropriation account, and program element. Finally, the Secretary of Defense is directed to continue to provide quarterly obligation and expenditure reports for SCO by project to the congressional defense committees.

MID-TIER ACQUISITION AND RAPID PROTOTYPING PROGRAMS

The fiscal year 2021 President's budget request includes funding in the research, development, test and evaluation appropriations accounts for Army, Navy, Air Force, Space Force, and Defense-Wide for several new and ongoing acquisition programs that use acquisition authorities and contracting strategies provided in National Defense Authorization Acts for rapid development, rapid prototyping, rapid acquisition, accelerated acquisition, and mid-tier acquisition (''section 804'') of warfighter capabilities. The spectrum of programs using these types of acquisition authorities ranges from small programs that have already deployed prototypes, to programs that by virtue of their scope and cost would otherwise be subject to reporting requirements and acquisition regulations applicable to traditional major acquisition category I programs.

While supportive of efforts to deliver capability to the warfighter in an accelerated manner, it is noted that under current law, several reporting requirements that apply to traditional acquisition programs, to include independent cost estimates and test and evaluation master plans, are not required for mid-tier acquisition and rapid prototyping programs and to date have been provided only when specifically directed by the House and Senate Appropriations Committees. As the Department of Defense appears to increase its reliance on such acquisition authorities, it is concerning that this standard acquisition information is not being provided as a matter of practice. Further, it is concerning that the Services' growing trend toward procuring de facto operational assets via prototyping acquisitions may limit the Services' ability to successfully manage their acquisition programs in the long-term by eliminating the full understanding of long-term program costs up-front; unnecessarily narrowing down the industrial base early in the acquisition process; and eliminating opportunities for future innovation by reducing competitive opportunities over the life of the acquisition. Finally, there is concern that budgeting for these de facto end-items incrementally with research and development appropriations instead of fully funding them with procurement appropriations obfuscates costs, and limits transparency and visibility into Services' procurement efforts.

The Under Secretaries of Defense (Research and Engineering) and (Acquisition and Sustainment), as well as the Service acquisition executives are directed to provide to the congressional defense committees, with submission of the fiscal year 2022 President's budget request, a complete list of approved acquisition programs—and programs pending approval in fiscal year 2022—utilizing prototyping or accelerated acquisition authorities, along with the rationale for each selected acquisition strategy, as well as a cost estimate and contracting strategy for each such program. Further, the Under Secretary of Defense (Comptroller) and the respective Financial Manager and Comptrollers 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 2022 President's budget request, including their test strategies; and 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. 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 2021 President's budget, any variations thereto should be included with the fiscal year 2022 submission. In addition, the Services' financial manager and comptrollers are directed to identify the full costs for prototyping units by individual item in the budget exhibits for research, development, test and evaluation appropriations for the budget year as well as the future years defense program.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS

Section 8025(e) of the Department of Defense Appropriations Act, 2020 directed the Secretary of Defense to submit, with the submission of the fiscal year 2021 budget request, a report presenting the specific amounts of staff years of technical effort to be allocated for each Defense Federally Funded Research and Development Center (FFRDC) during that fiscal year, and the associated budget estimates. It is noted that this annually recurring reporting requirement assists the House and Senate Appropriations Committees in their budget review

for Defense FFRDCs and that timely and complete submittal is expected. It is further noted that in fiscal year 2020, the Under Secretary of Defense (Research & Engineering) adjusted the allocation of staff-years of technical effort (STE) contrary to congressional intent expressed in section 8025. Therefore, section 8026 of this agreement further specifies the allocation of STE for studies and analyses FFRDCs for fiscal year 2021.

The Under Secretary of Defense (Research and Engineering) is directed to submit a report to the congressional defense committees, not later than 180 days after the enactment of this Act, describing the methodology and criteria used to assess each Defense FFRDC funded by this Act, the definition of their respective core competencies, and what, if any, adjustments are recommended for fiscal years 2022 and 2023. In addition, the Under Secretary of Defense (Research and Engineering) is directed to inform the congressional defense committees of any potentially required changes to Department of Defense Instruction 5000.77 not less than 45 days prior to the implementation of any such change.

In addition, the agreement directs the Comptroller General to provide to the congressional defense committees, not later than 180 days after the enactment of this Act, a report that includes a detailed listing of all FFRDCs funded by this Act; the name of the primary sponsoring organization for each FFRDC; the period of performance (including contract options) for each FFRDC contract, to include contract scope, contract ceiling, amount of STE allocated, and, if not competed, justification for sole source contract actions.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, ARMY

The agreement provides $13,969,032,000 for Research, Development, Test and Evaluation, Army, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY		
	BASIC RESEARCH		
2	DEFENSE RESEARCH SCIENCES	303,257	367,457
3	UNIVERSITY RESEARCH INITIATIVES	67,148	97,148
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	87,877	121,877
5	CYBER COLLABORATIVE RESEARCH ALLIANCE	5,077	5,077
	TOTAL, BASIC RESEARCH	463,359	591,559
	APPLIED RESEARCH		
7	BIOMEDICAL TECHNOLOGY	11,835	11,835
11	COUNTER IMPROVISED-THREAT ADVANCED STUDIES	2,000	2,000
12	LETHALITY TECHNOLOGY	42,425	108,925
13	ARMY APPLIED RESEARCH	30,757	30,757
14	SOLDIER LETHALITY TECHNOLOGY	125,435	204,435
15	GROUND TECHNOLOGY	28,047	154,047
16	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	217,565	265,565
17	NETWORK C3I TECHNOLOGY	114,404	204,904
18	LONG RANGE PRECISION FIRES TECHNOLOGY	60,553	126,053
19	FUTURE VERTICLE LIFT TECHNOLOGY	96,484	165,484
20	AIR AND MISSILE DEFENSE TECHNOLOGY	56,298	109,298
22	C3I APPLIED CYBER	18,816	18,816
40	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY	20,766	20,766
42	MEDICAL TECHNOLOGY	95,496	102,496
	TOTAL, APPLIED RESEARCH	920,881	1,525,381
	ADVANCED TECHNOLOGY DEVELOPMENT		
44	MEDICAL ADVANCED TECHNOLOGY	38,896	89,896
49	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECHNOLOGY	11,659	11,659
52	MEDICAL DEVELOPMENT	27,723	27,723
53	ARMY ADVANCED TECHNOLOGY DEVELOPMENT	62,663	62,663
54	SOLDIER LETHALITY ADVANCED TECHNOLOGY	109,608	147,608
55	GROUND ADVANCED TECHNOLOGY	14,795	210,095
59	COUNTER IMPROVISED-THREAT SIMULATION	25,000	25,000
63	C3I CYBER ADVANCED DEVELOPMENT	23,357	43,357
64	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	188,024	228,024
65	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY	199,358	307,358

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
66	NETWORK C3I ADVANCED TECHNOLOGY	158,608	206,908
67	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	121,060	176,060
68	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	156,194	224,944
69	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY	58,130	182,630
77	HUMANITARIAN DEMINING	8,515	17,000
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	1,203,590	1,960,925
	DEMONSTRATION & VALIDATION		
78	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION	11,062	140,312
79	ARMY SPACE SYSTEMS INTEGRATION	26,230	26,230
80	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	26,482	47,582
81	LANDMINE WARFARE AND BARRIER - ADV DEV	64,092	58,406
83	TANK AND MEDIUM CALIBER AMMUNITION	92,753	91,753
84	ARMORED SYSTEM MODERNIZATION - ADV DEV	151,478	144,214
85	SOLDIER SUPPORT AND SURVIVABILITY	5,841	5,841
86	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV	194,775	182,400
87	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT	24,316	16,316
88	ENVIRONMENTAL QUALITY TECHNOLOGY - DEM/VAL	13,387	21,387
89	NATO RESEARCH AND DEVELOPMENT	4,762	4,762
90	AVIATION - ADV DEV	647,937	717,946
91	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	4,761	8,761
92	MEDICAL SYSTEMS - ADV DEV	28,520	34,020
93	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	26,138	24,138
94	ROBOTICS DEVELOPMENT	121,207	99,792
96	ELECTRONIC WARFARE TECHNOLOGY MATURATION (MIP)	22,840	15,034
97	LOW EARTH ORBIT (LEO) SATELLITE CAPABILITY	22,678	22,678
98	ANALYSIS OF ALTERNATIVES	10,082	10,082
99	SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.4)	1,378	1,378
100	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS)	40,083	57,083
101	LOWER TIER AIR MISSILE DEFENSE (LTAMID) SENSOR	376,373	322,543
102	TECHNOLOGY MATURATION INITIATIVES	156,834	146,834
103	MANEUVER - SHORT RANGE AIR DEFENSE (M-SHORAD)	4,995	4,995
105	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING	170,490	172,990
106	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	128,125	120,364
107	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	129,547	116,821

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
108	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING	13,831	13,831
109	HYPERSONICS	801,417	861,417
111	FUTURE INTERCEPTOR	7,992	---
112	UNIFIED NETWORK TRANSPORT	40,677	40,677
113	MOBILE MEDIUM RANGE MISSILE	---	88,100
115	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	50,525	50,525
	TOTAL, DEMONSTRATION & VALIDATION	3,421,608	3,669,212
	ENGINEERING & MANUFACTURING DEVELOPMENT		
118	AIRCRAFT AVIONICS	2,764	7,264
119	ELECTRONIC WARFARE DEVELOPMENT	62,426	58,902
121	INFANTRY SUPPORT WEAPONS	91,574	91,838
122	MEDIUM TACTICAL VEHICLES	8,523	8,523
123	JAVELIN	7,493	6,257
124	FAMILY OF HEAVY TACTICAL VEHICLES	24,792	23,157
125	AIR TRAFFIC CONTROL	3,511	3,511
126	LIGHT TACTICAL WHEELED VEHICLES	1,976	4,265
127	ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV	135,488	128,938
128	NIGHT VISION SYSTEMS - ENG/DEV	61,445	56,477
129	COMBAT FEEDING, CLOTHING, AND EQUIPMENT	2,814	2,814
130	NON-SYSTEM TRAINING DEVICES - ENG/DEV	28,036	28,036
131	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - ENG/DEV	43,651	43,651
132	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT	10,150	10,150
133	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	5,578	5,578
134	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS) - ENG/DEV	7,892	7,892
135	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT)	24,975	24,975
136	COMBINED ARMS TACTICAL TRAINER (CATT) CORE	3,568	3,568
137	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION	19,268	19,268
138	WEAPONS AND MUNITIONS - ENG/DEV	265,811	290,561
139	LOGISTICS AND ENGINEER EQUIPMENT - ENG/DEV	49,694	55,490
140	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS - ENG/DEV	11,079	11,079
141	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	49,870	52,870
142	LANDMINE WARFARE/BARRIER - ENG/DEV	9,589	9,589
143	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	162,513	134,244

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
144	RADAR DEVELOPMENT	109,259	109,259
145	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	21,201	16,201
146	FIREFINDER	20,008	19,008
147	SOLDIER SYSTEMS - WARRIOR DEM/VAL	6,534	6,534
148	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD	82,459	75,872
149	ARTILLERY SYSTEMS - EMD	11,611	36,611
150	INFORMATION TECHNOLOGY DEVELOPMENT	142,678	137,051
151	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPPS-A)	115,286	115,286
152	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	96,594	79,666
154	JOINT TACTICAL NETWORK CENTER (JTNC)	16,264	16,264
155	JOINT TACTICAL NETWORK (JTN)	31,696	31,696
157	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM - EXPENDITIONARY (GBOSS-E)	5,976	5,976
159	COMMON INFRARED COUNTERMEASURES (CIRCM)	23,321	28,321
161	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHICLE	4,846	4,846
162	DEFENSIVE CYBER TOOL DEVELOPMENT	28,544	28,544
163	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	28,178	21,539
164	CONTRACT WRITING SYSTEM	22,860	22,860
166	AIRCRAFT SURVIVABILITY DEVELOPMENT	35,893	35,893
167	INDIRECT FIRE PROTECTION CAPABILITY INC 2 - BLOCK 1	235,770	161,968
168	GROUND ROBOTICS	13,710	12,510
169	EMERGING TECHNOLOGY INITIATIVES	294,739	304,739
170	MEDICAL PRODUCTS AND SUPPORT SYSTEMS DEVELOPMENT	954	954
171	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION	150,201	150,201
172	SMALL UNMANNED AERIAL VEHICLE (SUAV) (6.5)	5,999	5,999
174	JOINT AIR-TO-GROUND MISSILE (JAGM)	8,891	7,891
175	ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	193,929	213,929
176	MANNED GROUND VEHICLE	327,732	183,852
177	NATIONAL CAPABILITIES INTEGRATION	7,670	7,670
178	JOINT LIGHT TACTICAL VEHICLE ENG AND MANUFACTURING	1,742	1,742
179	AVIATION GROUND SUPPORT EQUIPMENT	1,467	1,467
180	TROJAN - RH12	3,451	3,451
183	ELECTRONIC WARFARE DEVELOPMENT	55,855	55,855
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	3,199,798	2,992,552

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	RDT&E MANAGEMENT SUPPORT		
185	THREAT SIMULATOR DEVELOPMENT	14,515	42,015
186	TARGET SYSTEMS DEVELOPMENT	10,668	35,668
187	MAJOR T&E INVESTMENT	106,270	123,110
188	RAND ARROYO CENTER	13,481	13,481
189	ARMY KWAJALEIN ATOLL	231,824	231,824
190	CONCEPTS EXPERIMENTATION PROGRAM	54,898	53,898
192	ARMY TEST RANGES AND FACILITIES	350,359	390,359
193	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	48,475	83,475
194	SURVIVABILITY/LETHALITY ANALYSIS	36,001	36,001
195	AIRCRAFT CERTIFICATION	2,736	2,736
196	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES	6,488	6,488
197	MATERIEL SYSTEMS ANALYSIS	21,859	21,859
198	EXPLOITATION OF FOREIGN ITEMS	7,936	7,936
199	SUPPORT OF OPERATIONAL TESTING	54,470	54,470
200	ARMY EVALUATION CENTER	63,141	56,827
201	ARMY MODELING AND SIMULATION X-CMD COLLABORATION AND INTEG	2,572	2,572
202	PROGRAMWIDE ACTIVITIES	87,472	85,972
203	TECHNICAL INFORMATION ACTIVITIES	26,244	26,244
204	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	40,133	57,113
205	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	1,780	1,780
206	ARMY DIRECT REPORT HEADQUARTERS - R&D - MHA	55,045	55,045
208	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	71,306	71,306
209	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	1,063	1,063
210	MEDICAL PROGRAM-WIDE ACTIVITIES	19,891	19,891
211	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	4,496	6,496
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,333,123	1,487,629

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	OPERATIONAL SYSTEMS DEVELOPMENT		
214	MLRS PRODUCT IMPROVEMENT PROGRAM	10,157	10,157
216	ANTI-TAMPER TECHNOLOGY SUPPORT	8,682	8,682
217	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS	20,409	20,409
219	LONG RANGE PRECISION FIRES (LRPF)	122,733	104,625
221	BLACKHAWK RECAP/MODERNIZATION	11,236	8,711
222	CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM	46,091	51,091
224	IMPROVED TURBINE ENGINE PROGRAM	249,257	241,257
225	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT	17,155	17,155
226	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	7,743	19,743
227	APACHE FUTURE DEVELOPMENT	77,177	55,319
228	INTEL CYBER DEVELOPMENT	14,652	14,652
229	ARMY OPERATIONAL SYSTEMS DEVELOPMENT	35,851	35,851
230	FAMILY OF BIOMETRICS	1,324	1,324
231	PATRIOT PRODUCT IMPROVEMENT	187,840	185,840
232	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM	44,691	44,691
233	COMBAT VEHICLE IMPROVEMENT PROGRAMS	268,919	225,604
234	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	427,254	233,554
235	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS	11,688	11,688
236	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	80	80
237	DIGITIZATION	4,516	4,516
238	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,288	1,288
239	OTHER MISSILE PRODUCT IMPROVEMENT	79,424	13,587
243	ENVIRONMENTAL QUALITY TECHNOLOGY - OPERATIONAL SYSTEM	259	259
244	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	166	---
245	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS)	75,575	75,575
246	JOINT TACTICAL GROUND SYSTEM	9,510	9,510
249	INFORMATION SYSTEMS SECURITY PROGRAM	29,270	28,270
250	GLOBAL COMBAT SUPPORT SYSTEM	86,908	73,825
251	SATCOM GROUND ENVIRONMENT (SPACE)	18,684	18,684
256	INTEGRATED BROADCAST SERVICE (IBS)	467	467
257	TACTICAL UNMANNED AERIAL VEHICLES	4,051	4,051
258	AIRBORNE RECONNAISSANCE SYSTEMS	13,283	13,283
259	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	47,204	40,771

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
264	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES.....	61,012	133,012
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT.....	1,994,556	1,707,531
267	DEFENSIVE CYBER - SOFTWARE PROTOTYPE DEVELOPMENT.....	46,445	56,706
9999	CLASSIFIED PROGRAMS.....	3,983	3,983
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED.....	---	-26,446
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY.....	12,587,343	13,969,032

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Final Bill
2	DEFENSE RESEARCH SCIENCES	303,257	367,457
	Program increase - unmanned aerial systems multi-fuel hybrid propulsion		15,000
	Program increase		10,000
	Program increase - flexible LED lighting for tents and shelters		5,200
	Program increase - counter UAS technology research		5,000
	Program increase - cell-free expression for biomanufacturing		10,000
	Program increase - explosives and opioids dual-use UV detection		3,000
	Program increase - advanced hemostat products		6,000
	Program increase - artificial intelligence complex multi-material composites processing		10,000
3	UNIVERSITY RESEARCH INITIATIVES	67,148	97,148
	Program increase		20,000
	Program increase - additive manufacturing using ultra high-performance concrete		10,000
4	UNIVERSITY AND INDUSTRY RESEARCH CENTERS	87,877	121,877
	Program increase - Army artificial intelligence innovation		20,000
	Program increase - materials in extreme dynamic environments		10,000
	Program increase - biotechnology development		4,000
12	LETHALITY TECHNOLOGY	42,425	108,925
	Program increase - novel and sustainable energetic materials		24,000
	Program increase - quantum technologies for armament systems		10,000
	Program increase - solid fuel propulsion technology		10,000
	Program increase - hybrid additive manufacturing		10,000
	Program increase - next generation remote sensing		5,000
	Program increase - advanced lethality concepts and analysis		7,500
14	SOLDIER LETHALITY TECHNOLOGY	125,435	204,435
	Program increase - lightweight body armor mechanisms and materials		10,000
	Program increase - Pathfinder airborne		8,000
	Program increase - advanced textile-based products		6,000
	Program increase - UTDD catalyst		5,000
	Program increase - HEROES program		5,000
	Program increase - soldier ballistic technologies		5,000
	Program increase - academic accelerator pilot program		15,000
	Program increase - Pathfinder air assault		10,000
	Program increase - advanced ballistics technology for personal protective systems		4,000
	Program increase - medical simulation and training		4,000
	Program increase - body armor study		4,000
	Program increase - rapidly deployable shelters		3,000

R-1	Budget Request	Final Bill
15 GROUND TECHNOLOGY	**28,047**	**154,047**
Program increase - defense resiliency against extreme cold weather		10,000
Program increase - rapid advanced deposition		10,000
Program increase - additive manufacturing machine learning initiative		10,000
Program increase - materials manufacturing processes		10,000
Program increase - materials recovery technologies for defense supply resiliency		10,000
Program increase - autonomous digital design and manufacturing		5,000
Program increase - environmental quality enhanced coatings		5,000
Program increase - integrity of transparent armor		5,000
Program increase - high performance polymers		5,000
Program increase - advanced polymers for force protection		8,000
Program increase - military waste stream conversion		5,000
Program increase - robotic RTCH		5,000
Program increase - advanced concrete		4,000
Program increase - cellulose nanocomposites research		5,000
Program increase - center for research in extreme batteries		10,000
Program increase - earthen structures soil enhancement		4,000
Program increase - ice engineering research facility modernization		5,000
Program increase - counter UAS technology in arctic environments		10,000
16 NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	**217,565**	**265,565**
Program increase - prototyping energy smart autonomous ground systems		12,000
Program increase - additive metals manufacturing		10,000
Program increase - self-sealing fuel tanks technology		6,000
Program increase - silicon carbide electronics		6,000
Program increase - highly electrified vehicles		5,000
Program increase - modeling and simulation		10,000
BF9 insufficient justification		-1,000
17 NETWORK C3I TECHNOLOGY	**114,404**	**204,904**
Program increase - artificial intelligence and machine learning electronic warfare sensor technology		10,000
Program increase - integrating energy and computing networks		10,000
Program increase - energy efficient devices		5,000
Program increase - CHARM		5,000
Program increase - APNT for autonomous vehicles		5,000
Program increase - inertial navigation systems		10,000
Program increase - APNT distributed antennae		20,000
Program increase - autonomous platform threat detection sensors		6,000
Program increase - intelligent electronic protection technology		2,500
Program increase - multi-UAS integrated ISR technology		3,000
Program increase - mobile environmental contaminant sensors		8,000
Program increase - unmanned sensors for biological and chemical hazards		2,000
Program increase - urban subterranean mapping technology		4,000
18 LONG RANGE PRECISION FIRES TECHNOLOGY	**60,553**	**126,053**
Program increase - extended range hybrid and precision gun launched projectiles		15,000
Program increase - composite cannon tubes		5,000
Program increase - precision strike munitions		4,000
Program increase - advanced materials for missile applications		20,000
Program increase - novel printed armament components		6,500
Program increase - phase changing hydrogen fuel program		15,000

R-1		Budget Request	Final Bill
19	**FUTURE VERTICAL LIFT TECHNOLOGY**	**96,484**	**165,484**
	Program increase - individual blade and higher harmonic control		10,000
	Program increase - high strength functional composites		5,000
	Program increase - advanced rotary wing materials and structures		5,000
	Program increase - additive manufacturing of multi-functional composite aerospace components		5,000
	Program increase - adaptive flight control technology		4,000
	Program increase - high density eVTOL power source		15,000
	Program increase - lightweight hybrid composite medium caliber barrels		20,000
	Program increase - technology transfer and innovation		5,000
20	**AIR AND MISSILE DEFENSE TECHNOLOGY**	**56,298**	**109,298**
	Program increase - beam control systems and industry grade optical fiber fabrication for energy laser		12,000
	Program increase - high energy laser enabling and support technology		7,000
	Program increase - Army missile supply chain risk management		15,000
	Program increase - close combat high energy laser technology		8,500
	Program increase - countermeasures based on artificial intelligence enabled material analysis and design		6,000
	Program increase - cyber resiliency in weapon systems		1,500
	Program increase - counter-UAS center of excellence		1,500
	Program increase - fires center of excellence		1,500
42	**MEDICAL TECHNOLOGY**	**95,496**	**102,496**
	Program increase - military force vector borne health protection		5,000
	Program increase - safety and performance of female warfighters in extreme heat		2,000
44	**MEDICAL ADVANCED TECHNOLOGY**	**38,896**	**89,896**
	Program increase - peer-reviewed neurofibromatosis research		20,000
	Program increase - peer-reviewed neurotoxin exposure treatment Parkinson's research		16,000
	Program increase - peer-reviewed military burn research		10,000
	Program increase - burn care training curriculum		5,000
54	**SOLDIER LETHALITY ADVANCED TECHNOLOGY**	**109,608**	**147,608**
	Program increase		10,000
	Program increase - advanced AI/AA analytics for modernization and readiness		10,000
	Program increase - small arms fire control advanced technology		8,000
	Program increase - advanced technology for maneuver support and protection		10,000

R-1		Budget Request	Final Bill
55	GROUND ADVANCED TECHNOLOGY	14,795	210,095
	Program increase - flow battery demonstration		20,000
	Program increase - corrosion protection and prevention		10,000
	Program increase - rapid entry and sustainment for the arctic		8,000
	Program increase - composite flywheel technology		7,000
	Program increase - high-performance concrete technology		6,000
	Program increase - secure management of energy generation and storage		5,000
	Program increase - water quality and resiliency		5,000
	Program increase - electrical system safety and reliability		5,000
	Program increase - rare earth element extraction		5,000
	Program increase - organic light emitting diode		5,000
	Program increase - coatings technology		5,000
	Program increase - smart installation and community program		5,000
	Program increase - heavy load simulator		4,200
	Program increase - integrated microgrids		4,000
	Program increase - infrastructure resilience and flood assessment		3,000
	Program increase - single connection quick oil change system		3,000
	Program increase - cross-laminated timber and recycled carbon fiber materials		1,300
	Program increase - clean modular hydro technology		4,000
	Program increase - accelerator technology for ground maneuver		5,000
	Program increase - anticipating threats to natural systems		6,000
	Program increase - Army visual and tactical arctic reconnaissance		2,000
	Program increase - autonomous combat engineering solutions		5,500
	Program increase - coastal terrain hazard research		8,000
	Program increase - cold weather research station		2,000
	Program increase - environmental sensors for explosives		3,000
	Program increase - expeditionary deployment for fully sustainable utility		10,000
	Program increase - graphene research		5,000
	Program increase - impacts of soil structures on hydrology		4,000
	Program increase - information technology for bridge sustainment		5,000
	Program increase - materials and manufacturing technology for cold environments		4,000
	Program increase - military engineering technology for infield waste		2,000
	Program increase - operational energy research		1,300
	Program increase - research facility modernization		6,000
	Program increase - robotic construction equipment		5,000
	Program increase - robotic 4-D printing of geopolymer-based composites for extreme environments		2,000
	Program increase - S-UAS cyberwar threat management		7,500
	Program increase - sub-surface infrastructure in arctic environments		1,000
	Program increase - temperature insensitive high-energy density lithium-ion batteries		2,500
	Program increase - vehicle performance reliability and operations		3,000
63	C3I CYBER ADVANCED DEVELOPMENT	23,357	43,357
	Program increase - high bandwidth cryptomodule enhancements and certification		10,000
	Program increase - low SWAP software-defined MFEW		10,000
64	HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM	188,024	228,024
	Program increase		40,000

R-1		Budget Request	Final Bill
65	NEXT GENERATION COMBAT VEHICLE ADVANCED TECHNOLOGY	199,358	307,358
	Program increase - additive manufacturing for jointless hull		10,000
	Program increase - hydrogen fuel cells		10,000
	Program increase - carbon fiber and graphitic foam technology		10,000
	Program increase - combat vehicle weight reduction		10,000
	Program increase - ATE5.2 engine development		10,000
	Program increase - combat vehicle blast testing		6,000
	Program increase - additive manufacturing of critical components		5,000
	Program increase - advanced adhesives		5,000
	Program increase - combat vehicle lithium 6T battery development		5,000
	Program increase - vehicle technology readiness levels		2,000
	Program increase - 10X technology demonstration		8,000
	Program increase - HMMWV augmented reality HUD		5,000
	Program increase - HMMWV automotive enhancements		5,000
	Program increase - HMMWV autonomy		3,000
	Program increase - operator-in-the-loop virtual and physical prototyping		4,000
	Program increase - virtual and physical prototyping		10,000
66	NETWORK C3I ADVANCED TECHNOLOGY	158,608	206,908
	Program increase - mesh network-enabled small satellites		10,000
	Program increase - tactical geospatial information capabilities		10,000
	Program increase - geospatial artificial intelligence analytic tools		4,000
	Program increase - advanced materials and technologies for command post modernization		10,000
	Program increase - advanced materials for resilient sensors		8,000
	Program increase - assured position, navigation, and timing technology		6,300
67	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY	121,060	176,060
	Program increase - hypervelocity projectile extended range		20,000
	Program increase - rapid demonstration capability		25,000
	Program increase - tactical intercepting vehicle for access shaping		10,000
68	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY	156,194	224,944
	Program increase - advanced helicopter seating system		15,000
	Program increase - joint tactical aerial resupply vehicle		8,000
	Program increase - surface tolerant adhesives		5,000
	Program increase - UH-60 main rotor blade modernization		5,000
	Program increase - soldier information interface for aviation fleet management tool		2,250
	Program increase - helicopter emergency oil systems		2,000
	Program increase - displays and safety in DVE		4,000
	Program increase - digital engineering demonstration		8,000
	Program increase - ferrium steels for improved drive systems		5,000
	Program increase - tethered UAS for all-terrain vehicles		12,500
	Program increase - UAS fuel systems enhancements		2,000

R-1		Budget Request	Final Bill
69	**AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY**	**58,130**	**182,630**
	Program increase		20,000
	Program increase - thermal management system for high energy laser		7,500
	Program increase - cUAS integration with robotic vehicles		5,000
	Program increase - advanced explosion resistant window systems		5,000
	Program increase - enterprise demonstration prototyping		7,000
	Program increase - HEL risk reduction		50,000
	Program increase - HEL system characterization lab		22,000
	Program increase - silicon carbide power electronics packaging		8,000
77	**HUMANITARIAN DEMINING**	**8,515**	**17,000**
	Program increase		8,485
78	**ARMY MISSILE DEFENSE SYSTEMS INTEGRATION**	**11,062**	**140,312**
	Program increase		15,000
	Program increase - gun launched interceptors		8,000
	Program increase - advanced technology end-to-end testbed		10,500
	Program increase - air and missile system critical technology development		12,000
	Program increase - conventional mission capabilities		10,250
	Program increase - hot air tunnel and MESO technologies for hypersonics		47,000
	Program increase - integrated environmental control and power		16,000
	Program increase - pragmatic artificial intelligence and new technology		10,500
80	**AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING**	**26,482**	**47,582**
	Program increase - machine learning for integrated fires		5,000
	Program increase - cyber and supply chain resiliency		22,500
	Excess support costs		-6,400
81	**LANDMINE WARFARE AND BARRIER - ADV DEV**	**64,092**	**58,406**
	Program increase - M58 mine clearing line charge		2,000
	Interim top attack support costs carryover		-4,234
	Interim top attack contract delay		-3,452
83	**TANK AND MEDIUM CALIBER AMMUNITION**	**92,753**	**91,753**
	C-DAEM engineering support carryover		-1,000
84	**ARMORED SYSTEM MODERNIZATION - ADV DEV**	**151,478**	**144,214**
	Program increase - next generation electrified transmission		8,200
	Experimental prototyping costs excess to need		-15,464
86	**TACTICAL ELECTRONIC SURVEILLANCE SYSTEM - ADV DEV**	**194,775**	**182,400**
	MDSS sensor development early to need		-12,375
87	**NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT**	**24,316**	**16,316**
	Heads up display product development previously funded		-8,000
88	**ENVIRONMENTAL QUALITY TECHNOLOGY - DEM/VAL**	**13,387**	**21,387**
	Program increase - high pressure waterjet technology		5,000
	Program increase - biopolymers for military infrastructure		3,000

R-1		Budget Request	Final Bill
90	AVIATION - ADV DEV	647,937	717,946
	Program increase - FLRAA capabilities development and integration		90,500
	Program increase - model-based systems engineering		5,000
	FLRAA engineering services carryover		-7,078
	FLRAA program management and acquisition support carryover		-4,413
	FARA phase II OTAP excess to need		-14,000
91	LOGISTICS AND ENGINEER EQUIPMENT - ADV DEV	4,761	8,761
	Program increase - lightweight portable power generation		4,000
92	MEDICAL SYSTEMS - ADV DEV	28,520	34,020
	Program increase - composite shelter		5,500
93	SOLDIER SYSTEMS - ADVANCED DEVELOPMENT	26,138	24,138
	Soldier protection system development and integration carryover		-2,000
94	ROBOTICS DEVELOPMENT	121,207	99,792
	Excess testing and evaluation growth		-6,415
	Phase III prototype ahead of need		-15,000
96	ELECTRONIC WARFARE TECHNOLOGY MATURATION (MIP)	22,840	15,034
	Terrestrial layer system excess to need		-7,806
100	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM	40,083	57,083
	Program increase - next generation secure waveform		15,000
	Program increase - unmanned aerial vehicle fuel systems enhancements		2,000
101	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR	376,373	322,543
	P3I test asset incremental funding early to need		-33,250
	Test and evaluation prior year carryover		-15,000
	Product development and SETA carryover		-5,580
102	TECHNOLOGY MATURATION INITIATIVES	156,834	146,834
	Operational fires requirement		-10,000
105	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING	170,490	172,990
	Program increase - maneuverable lightweight electric weight reducer		5,000
	Insufficient justification		-2,500
106	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT)	128,125	120,364
	Mounted APNT new equipment training unjustified request		-667
	Mounted APNT platform integration unjustified request		-7,094
107	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT AND PROTOTYPING	129,547	116,821
	Program increase		5,000
	Insufficient budget justification		-28,126
	STE-Live - Army requested transfer from WTCV line 5		10,400
109	HYPERSONICS	801,417	861,417
	Program increase - hypersonic strategic materials and structures		10,000
	Program increase - hypersonic glidebody risk reduction		50,000

R-1	Budget Request	Final Bill
111 FUTURE INTERCEPTOR	**7,992**	**0**
Undefined requirement		-7,992
113 MOBILE MEDIUM RANGE MISSILE	**0**	**88,100**
Army requested transfer from WTCV line 5		88,100
118 AIRCRAFT AVIONICS	**2,764**	**7,264**
Program increase - high frequency aircraft avionics		4,500
119 ELECTRONIC WARFARE DEVELOPMENT	**62,426**	**58,902**
Insufficient budget justification		-3,524
121 INFANTRY SUPPORT WEAPONS	**91,574**	**91,838**
Program increase - turret gunner survivability and simulation environment		4,000
Program increase - cannon life extension program		1,500
S64 CROWS insufficient justification		-1,499
Program increase - soldier enhancement program		9,000
NGSW special purpose projectile development delay		-8,804
NGSW engineering support overestimation		-2,395
Soldier protective equipment product systems engineering support overestimation		-1,538
123 JAVELIN	**7,493**	**6,257**
Lightweight CLU development excess to need		-1,236
124 FAMILY OF HEAVY TACTICAL VEHICLES	**24,792**	**23,157**
EHETS prototypes overestimation		-1,635
126 LIGHT TACTICAL WHEELED VEHICLES	**1,976**	**4,265**
Infantry Squad Vehicle - Army requested transfer from OP,A line 5		2,289
127 ARMORED SYSTEMS MODERNIZATION (ASM) - ENG DEV	**135,488**	**128,938**
Performance test and evaluation carryover		-6,550
128 NIGHT VISION SYSTEMS - SDD	**61,445**	**56,477**
L70 excess to need		-2,000
Heads up display product development previously funded		-1,168
FWS-S contract development excess to need		-1,800
138 WEAPONS AND MUNITIONS - ENG DEV	**265,811**	**290,561**
Program increase - low cost extended range artillery		21,000
Program increase - 30mm guided proximity air burst ammunition		12,000
.50 caliber all-purpose tactical cartridge MDD delay		-4,250
Reduced range ammunition support carryover		-1,000
NGSW support, test and evaluation carryover		-3,000
139 LOGISTICS AND ENGINEER EQUIPMENT - SDD	**49,694**	**55,490**
Program increase - mobile camouflage net systems		8,000
194 excess support costs		-1,350
Program increase - health usage monitoring system		2,500
MSV(N) feasibility study ahead of need		-1,474
HIPPO PQT and LUT request ahead of need		-600
E2FDS request ahead of need		-1,280

R-1		Budget Request	Final Bill
141	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT	49,870	52,870
	Program increase - wearable medical device for TBI prevention		3,000
143	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE	162,513	134,244
	EJ6 TROPO IOT&E ahead of need		-7,860
	Rephasing of MCE v3.2 development		-7,909
	Reduce CPI2 Inc 1 and Inc 2 concurrency		-12,500
145	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	21,201	16,201
	Functional enhancements unjustified growth		-5,000
146	FIREFINDER	20,008	19,008
	Excess carryover		-1,000
148	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS -EMD	82,459	75,872
	Program increase - BFV active protection system		16,000
	Logistics development excess to need		-7,617
	VPS development and integration delays		-14,970
149	ARTILLERY SYSTEMS - EMD	11,611	36,611
	Program increase - soft recoil artillery systems		25,000
150	INFORMATION TECHNOLOGY DEVELOPMENT	142,678	137,051
	FL9 unjustified request		-3,082
	FM8 ATIS release 2 ahead of need		-3,164
	AIE wave 1 carryover		-6,881
	FM7 insufficient justification		-3,000
	Program increase - installation access control technology		10,500
152	ARMORED MULTI-PURPOSE VEHICLE (AMPV)	96,594	79,666
	Excess carryover		-12,928
	Test delays		-4,000
159	COMMON INFRARED COUNTERMEASURES (CIRCM)	23,321	28,321
	Program increase - aviation artificial intelligence virtual training environment		5,000
163	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER)	28,178	21,539
	Manpack follow-on testing ahead of need		-6,639
167	INDIRECT FIRE PROTECTION CAPABILITY INC 2-BLOCK 1	235,770	161,968
	Army-identified excess to need due to revised acquisition strategy		-47,762
	Enduring technical support		-15,000
	Enduring solution interceptor cost adjustment		-11,040
168	GROUND ROBOTICS	13,710	12,510
	CRS(I) program management costs funded in procurement		-300
	CRS(I) PQT and LUT previously funded		-200
	S-MET program management transition to procurement		-700
169	EMERGING TECHNOLOGY INITIATIVES	294,739	304,739
	Program increase - counter UAS directed energy prototype		10,000

R-1	Budget Request	Final Bill
174 JOINT AIR-TO-GROUND MISSILE (JAGM)	**8,891**	**7,891**
OGA carryover		-1,000
175 ARMY INTEGRATED AIR AND MISSILE DEFENSE (AIAMD)	**193,929**	**213,929**
Program increase - accelerated integration to counter emerging threats		20,000
176 MANNED GROUND VEHICLE	**327,732**	**183,852**
Army-identified excess to need due to revised OMFV acquisition strategy		-83,232
OMFV phase 2 engineering funding ahead of need		-23,400
OMFV phase 2 SEPM funding ahead of need		-22,350
OMFV logistics product development ahead of need		-1,200
OMFV SBIR/STTR excess to need		-13,698
185 THREAT SIMULATOR DEVELOPMENT	**14,515**	**42,015**
Program increase - cyber threat and vulnerability assessments		3,750
Program increase - cybersecurity operations center		20,000
Program increase - threat cyberspace operations		3,750
186 TARGET SYSTEMS DEVELOPMENT	**10,668**	**35,668**
Program increase - UAS swarm threat mitigation		25,000
187 MAJOR T&E INVESTMENT	**106,270**	**123,110**
Program increase - major operational test instrumentation		11,840
Program increase - radio frequency threat systems emulator for rotary wing aircraft		5,000
190 CONCEPTS EXPERIMENTATION PROGRAM	**54,898**	**53,898**
CDID excess growth		-1,000
192 ARMY TEST RANGES AND FACILITIES	**350,359**	**390,359**
Program increase - integrated directed energy testing		15,000
Program increase - distributed environment for system-of-system cybersecurity testing		25,000
193 ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	**48,475**	**83,475**
Program increase - cyber space threats		5,000
Program increase - space and missile cyber security		30,000
200 ARMY EVALUATION CENTER	**63,141**	**56,827**
Insufficient justification		-6,314
202 PROGRAMWIDE ACTIVITIES	**87,472**	**85,972**
M47 GVSC excess to need		-750
M23 ERDC excess request		-750
204 MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY	**40,133**	**57,113**
Program increase - industrial base resiliency initiative		8,000
Program increase - polymer case ammunition		5,000
Excess carryover		-3,387
Program increase - foamable celluloid materials		5,000
Manufacturing technology for industrial base transformation carryover		-1,000
Conventional ammunition demilitarization carryover		-1,633
Program increase - neutron radiography technology		5,000
211 ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	**4,496**	**6,496**
Program increase - cyber vulnerability assessment		2,000

R-1	Budget Request	Final Bill
219 LONG RANGE PRECISION FIRES (LRPF)	**122,733**	**104,625**
Army identified excess		-14,798
Excess engineering support		-3,310
221 BLACKHAWK RECAP/MODERNIZATION	**11,236**	**8,711**
MEDEVAC MEP test and evaluation ahead of need		-2,525
222 CHINOOK HELICOPTER PRODUCT IMPROVEMENT PROGRAM	**46,091**	**51,091**
Program increase - carbon composite materials for helicopter wheels and brakes		5,000
224 IMPROVED TURBINE ENGINE PROGRAM	**249,257**	**241,257**
Excess to requirement		-4,252
Unjustified matrixed engineering support growth		-3,748
226 UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS	**7,743**	**19,743**
Program increase - scalable control interface		7,000
Program increase - micro identification friend or foe transmitters		5,000
227 APACHE FUTURE DEVELOPMENT	**77,177**	**55,319**
Program increase - crossbow		5,000
SPIKE NLOS efforts ahead of need		-26,858
231 PATRIOT PRODUCT IMPROVEMENT	**187,840**	**185,840**
PMO carryover		-2,000
233 COMBAT VEHICLE IMPROVEMENT PROGRAMS	**268,919**	**225,604**
HERCULES excess to requirement		-10,750
CROWS-J program delay		-5,667
Bradley test support previously funded		-3,440
Abrams SEPv4/ECP 1B carryover		-19,458
Stryker carryover		-4,000
234 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	**427,254**	**233,554**
ERCA increment 2 reprioritization		-193,700
239 OTHER MISSILE PRODUCT IMPROVEMENT PROGRAM	**79,424**	**13,587**
CD-ATACMS program terminated		-62,440
TOW prototype and design engineering concurrency		-3,397
244 LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM	**166**	**0**
Prior year carryover		-166
249 INFORMATION SYSTEMS SECURITY PROGRAM	**29,270**	**28,270**
NGLD-M contract delay		-1,000
250 GLOBAL COMBAT SUPPORT SYSTEM	**86,908**	**73,825**
GCSS-A Inc 2 unjustified growth		-13,083
259 DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	**47,204**	**40,771**
Unjustified program management growth		-1,910
Ground station modernization contract award date		-4,523

R-1	Budget Request	Final Bill
264 END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES	**61,012**	**133,012**
Program increase - functional fabrics and smart textiles		10,000
Program increase - nanoscale materials manufacturing		10,000
Program increase - compact efficient rotary engine		10,000
Program increase - lightweight high efficiency generators		10,000
Program increase - glass separators for lithium batteries		5,000
Program increase - advanced manufacturing cell for missile fins		5,000
Program increase - advanced manufacturing technology		5,000
Program increase - scalability of functional fabric manufacturing		5,000
Program increase - smart manufacturing of engineered fabrics		7,000
Program increase - tungsten manufacturing affordability initiative for armaments		5,000
267 DEFENSIVE CYBER - SOFTWARE PROTOTYPE DEVELOPMENT	**46,445**	**56,706**
Tool suite delays		-1,739
Program management - Army requested transfer from OP,A line 53		12,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-26,446**

COUNTER-UNMANNED AERIAL SYSTEMS

The agreement notes that the Department of the Army has been designated as the executive agent for the Joint Counter-Unmanned Aerial Systems (C-UAS) office, assuming responsibility for the development of enduring joint solutions to address the C-UAS threat. The agreement directs the Secretary of the Army to provide a report to the congressional defense committees, not later than 120 days after the enactment of this Act, that details the Army's management plan and assessment of C-UAS requirements. This report shall include, but is not limited to, a list of validated requirements; a detailed list of related acquisition programs across the Department of Defense; resourcing requirements; research and development priorities; an assessment of the need for a C-UAS center of excellence; and the organization, structure, and responsibilities of the Joint C-UAS office.

HIGH PERFORMANCE COMPUTING MODERNIZATION PROGRAM

The agreement notes that responsibility for the High Performance Computing Modernization Program (HPCMP) was transferred to the Army in fiscal year 2012 with a requested funding level of $183,150,000. Almost a decade later, the fiscal year 2021 President's budget request includes only $188,024,000 for HPCMP. This level of investment is significantly less than if annual inflationary adjustments were applied to the program, even without program growth.

Originally focused on support to science and technology efforts, HPCMP now supports an expansive and ever-growing set of competencies, including digital engineering, virtual prototyping, and virtual testing. Therefore, the agreement directs the Secretary of Defense, in consultation with the Secretary of the Army, to perform a full review of the HPCMP program that includes, but is not limited to, an historical assessment of the HPCMP mission and requirements; an analysis of historical investment levels compared to the full requirement; a determination of the adequacy of historical investment; the suitability of the current organizational structure within the Department; and a modernization strategy. The Secretary of Defense is directed to submit the findings in a report to the congressional defense committees not later than 120 days after the enactment of this Act.

SOLDIER ENHANCEMENT PROGRAM

The fiscal year 2021 President's budget request eliminates the Soldier Enhancement Program. Since its establishment by Congress in 1990, the program has served a unique and critical function in enabling the accelerated evaluation and procurement of off-the-shelf items that have the potential to substantially improve weapons and support equipment focused on critical warfighting functional areas of fires mission command, movement and maneuver, sustainability, and protection. The Soldier Enhancement Program is a low risk, low cost, high payoff investment that has demonstrated consistent success in close collaboration with industry to address mission-critical and training-critical soldier needs in a timely and cost-effective manner. Additionally, there have not been obvious changes in operational or threat environments that would obviate the ongoing need for this successful and critical capability. Therefore, the agreement directs the Secretary of the Army to preserve the Soldier Enhancement Program within the Program Executive Office Soldier and expects the Secretary of the Army to ensure that the program is fully funded in the fiscal year 2022 budget request.

EMERGING TECHNOLOGY INITIATIVES

The agreement supports the Army's Advanced Concepts program, managed by the Rapid Capabilities and Critical Technologies Office, in its pursuit of experimental prototyping and demonstration of selected technology through non-traditional engagements with industry by employing what it calls ''innovation days.'' These types of direct engagements with industry are critical in identifying promising technologies and solutions to capability gaps that would otherwise fall outside of traditional acquisition programs. The ability to be agile with resourcing these smaller prototyping efforts is crucial to the success of the program and does not lend itself to traditional itemized accounting in budget exhibits, as individual programs may be undefined at the time of the annual President's budget submission. Therefore, the agreement recommends $23,000,000, as requested in the budget submission, for the Army's Advanced Concepts program. Further, beginning with the second quarter of fiscal year 2021, the agreement directs the Director, Hypersonics, Directed Energy, Space and Rapid Acquisition to provide quarterly execution updates to the House and Senate Appropriations Committees not later than 30 days after the end of each fiscal quarter. This report shall include, but is not limited to, a schedule of innovation days for the current fiscal year, a list of active projects selected for funding, a narrative description of each project, obligation and expenditure data for each project, and metrics to determine success of selected projects.

ALTERNATIVE NAVIGATION SYSTEMS

The agreement notes that operational requirements for assured position, navigation, and timing alternative navigation (ALT NAV) systems are increasing rapidly as the Army looks to compete in a Global Positioning System denied or challenged environment. These requirements are at risk of outpacing Service investments in the area. The Secretary of the Army is encouraged to ensure that sufficient resources are in place through the budget process and in execution of current year resources, to develop and field ALT NAV capabilities and the necessary broadcast service to enable such capabilities.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY

The agreement provides $20,078,829,000 for Research, Development, Test and Evaluation, Navy, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY		
	BASIC RESEARCH		
1	UNIVERSITY RESEARCH INITIATIVES	116,816	144,816
2	IN-HOUSE LABORATORY INDEPENDENT RESEARCH	19,113	19,113
3	DEFENSE RESEARCH SCIENCES	467,158	489,984
	TOTAL, BASIC RESEARCH	603,087	653,913
	APPLIED RESEARCH		
4	POWER PROJECTION APPLIED RESEARCH	17,792	38,792
5	FORCE PROTECTION APPLIED RESEARCH	122,281	209,781
6	MARINE CORPS LANDING FORCE TECHNOLOGY	50,623	55,623
7	COMMON PICTURE APPLIED RESEARCH	48,001	43,703
8	WARFIGHTER SUSTAINMENT APPLIED RESEARCH	67,765	116,255
9	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	84,994	92,994
10	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	63,392	80,284
11	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH	6,343	6,343
12	UNDERSEA WARFARE APPLIED RESEARCH	56,397	96,397
13	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	167,590	170,724
14	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	30,715	33,215
15	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	160,537	161,725
16	SCIENCE AND TECHNOLOGY MANAGEMENT - ONR HEADQUARTERS	76,745	76,745
	TOTAL, APPLIED RESEARCH	953,175	1,182,581
	ADVANCED TECHNOLOGY DEVELOPMENT		
17	FORCE PROTECTION ADVANCED TECHNOLOGY	24,410	24,410
18	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	8,008	23,008
19	MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION (ATD)	219,045	250,292
20	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT	13,301	13,301
21	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV	246,054	231,139
22	MANUFACTURING TECHNOLOGY PROGRAM	60,122	60,122
23	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	4,851	33,151
24	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS	40,709	40,709
25	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY	1,948	1,948
26	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY	141,948	159,948
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	760,396	838,028

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	DEMONSTRATION & VALIDATION		
27	MEDIUM AND LARGE UNMANNED SURFACE VEHICLES (USVS)	464,042	93,700
	MEDIUM UNMANNED SURFACE VEHICLES (MUSVS)	---	55,402
28	AIR/OCEAN TACTICAL APPLICATIONS	35,386	35,386
29	AVIATION SURVIVABILITY	13,428	13,428
30	NAVAL CONSTRUCTION FORCES	2,350	2,350
31	AIRCRAFT SYSTEMS	418	418
32	ASW SYSTEMS DEVELOPMENT	15,719	18,719
33	TACTICAL AIRBORNE RECONNAISSANCE	3,411	3,411
34	ADVANCED COMBAT SYSTEMS TECHNOLOGY	70,218	52,680
35	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	52,358	47,808
36	SURFACE SHIP TORPEDO DEFENSE	12,816	11,816
37	CARRIER SYSTEMS DEVELOPMENT	7,559	7,559
38	PILOT FISH	358,757	328,757
39	RETRACT LARCH	12,562	12,562
40	RETRACT JUNIPER	148,000	148,000
41	RADIOLOGICAL CONTROL	778	778
42	SURFACE ASW	1,161	1,161
43	ADVANCED SUBMARINE SYSTEM DEVELOPMENT	185,356	152,373
44	SUBMARINE TACTICAL WARFARE SYSTEMS	10,528	10,528
45	SHIP CONCEPT ADVANCED DESIGN	126,396	117,305
46	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	70,270	46,970
47	ADVANCED NUCLEAR POWER SYSTEMS	149,188	149,188
48	ADVANCED SURFACE MACHINERY SYSTEMS	38,449	40,681
49	CHALK EAGLE	71,181	71,181
50	LITTORAL COMBAT SHIP (LCS)	32,178	42,178
51	COMBAT SYSTEM INTEGRATION	17,843	17,843
52	SSBN NEW DESIGN	317,196	317,196
53	LITTORAL COMBAT SHIP (LCS) MISSION MODULES	67,875	77,875
54	AUTOMATED TEST AND RE-TEST	4,797	34,797
55	FRIGATE DEVELOPMENT	82,309	82,309
56	CONVENTIONAL MUNITIONS	9,922	9,922
57	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	189,603	43,457
57A	MARINE CORPS GROUND BASED ANTI-SHIP MISSILE	---	29,678
57B	MARINE CORPS LONG RANGE FIRES	---	56,250

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
58	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	43,084	43,084
59	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT	6,346	6,346
60	ENVIRONMENTAL PROTECTION	20,601	20,601
61	NAVY ENERGY PROGRAM	23,422	56,422
62	FACILITIES IMPROVEMENT	4,664	4,664
63	CHALK CORAL	545,763	426,577
64	NAVY LOGISTIC PRODUCTIVITY	3,884	3,884
65	RETRACT MAPLE	353,226	297,685
66	LINK PLUMERIA	544,388	482,418
67	RETRACT ELM	86,730	86,730
68	LINK EVERGREEN	236,234	201,984
70	NATO RESEARCH AND DEVELOPMENT	6,880	6,880
71	LAND ATTACK TECHNOLOGY	10,578	5,850
72	JOINT NONLETHAL WEAPONS TESTING	28,435	28,435
73	JOINT PRECISION APPROACH AND LANDING SYSTEMS	33,612	33,612
74	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	128,845	126,895
75	F/A-18 INFRARED SEARCH AND TRACK (IRST)	84,190	84,190
76	DIGITAL WARFARE	54,699	35,717
77	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	53,942	39,208
78	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES	40,060	40,060
79	RAPID PROTOTYPING, EXPERIMENTATION AND DEMONSTRATION	12,100	12,100
80	LARGE UNMANNED UNDERSEA VEHICLES	78,122	62,557
81	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER	107,895	104,895
82	AIRBORNE MINE COUNTERMEASURES	17,366	17,966
83	SURFACE MINE COUNTERMEASURES	18,754	18,754
84	TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	59,776	50,281
85	EXPEDITIONARY LOGISTICS	---	5,000
86	FUTURE VERTICAL LIFT (MARITIME STRIKE)	5,097	5,097
87	RAPID TECHNOLOGY CAPABILITY PROTOTYPE	3,664	5,664
88	LX (R)	10,203	10,203
89	ADVANCED UNDERSEA PROTOTYPING	115,858	89,812
90	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)	14,259	2,598
91	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	1,102,387	79,417
91A	CONVENTIONAL PROMPT GLOBAL STRIKE	---	767,637
92	SPACE & ELECTRONIC WARFARE (SEW) ARCHITECTURE/ENGINE	7,657	6,208

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
93	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOPMENT	35,750	46,750
94	ASW SYSTEMS DEVELOPMENT - MIP	9,151	9,151
95	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	22,589	28,439
97	ELECTRONIC WARFARE DEVELOPMENT - MIP	809	809
	TOTAL, DEMONSTRATION & VALIDATION	6,503,074	5,488,246
	ENGINEERING & MANUFACTURING DEVELOPMENT		
98	TRAINING SYSTEM AIRCRAFT	4,332	4,332
99	OTHER HELO DEVELOPMENT	18,133	23,133
100	AV-8B AIRCRAFT - ENG DEV	20,054	16,749
101	STANDARDS DEVELOPMENT	4,237	4,237
102	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	27,340	37,340
104	P-3 MODERNIZATION PROGRAM	606	606
105	WARFARE SUPPORT SYSTEM	9,065	14,982
106	TACTICAL COMMAND SYSTEM	97,968	124,896
107	ADVANCED HAWKEYE	309,373	275,813
108	H-1 UPGRADES	62,310	57,960
109	ACOUSTIC SEARCH SENSORS	47,182	47,182
110	V-22A	132,624	132,624
111	AIR CREW SYSTEMS DEVELOPMENT	21,445	21,445
112	EA-18	106,134	106,134
113	ELECTRONIC WARFARE DEVELOPMENT	134,194	131,914
114	EXECUTIVE HELO DEVELOPMENT	99,321	97,224
115	NEXT GENERATION JAMMER (NGJ)	477,680	447,152
116	JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	232,818	234,180
117	NEXT GENERATION JAMMER (NGJ) INCREMENT II	170,039	165,614
118	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	403,712	359,333
119	LPD-17 CLASS SYSTEMS INTEGRATION	945	945
120	SMALL DIAMETER BOMB (SDB)	62,488	51,097
121	STANDARD MISSILE IMPROVEMENTS	386,225	307,518
122	AIRBORNE MCM	10,909	10,909
123	NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG.	44,548	42,160
124	ADVANCED SENSORS APPLICATION PROGRAM (ASAP)	13,673	12,673
125	ADVANCED ABOVE WATER SENSORS	87,809	67,559
126	SSN-688 AND TRIDENT MODERNIZATION	93,097	93,097

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
127	AIR CONTROL	38,863	38,863
128	SHIPBOARD AVIATION SYSTEMS	9,593	11,593
129	COMBAT INFORMATION CENTER CONVERSION	12,718	12,718
130	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	78,319	62,005
131	ADVANCED ARRESTING GEAR (AAG)	65,834	65,834
132	NEW DESIGN SSN	259,443	243,263
133	SUBMARINE TACTICAL WARFARE SYSTEM	63,878	71,378
134	SHIP CONTRACT DESIGN/LIVE FIRE T&E	51,853	63,763
135	NAVY TACTICAL COMPUTER RESOURCES	3,853	3,853
136	MINE DEVELOPMENT	92,607	85,205
137	LIGHTWEIGHT TORPEDO DEVELOPMENT	146,012	115,752
138	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	8,383	8,383
139	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS - ENG DEV	33,784	29,467
140	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	8,599	7,269
141	JOINT STANDOFF WEAPON SYSTEMS	73,744	34,300
142	SHIP SELF DEFENSE (DETECT & CONTROL)	157,490	153,095
143	SHIP SELF DEFENSE (ENGAGE: HARD KILL)	121,761	94,961
144	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	89,373	85,251
145	INTELLIGENCE ENGINEERING	15,716	12,422
146	MEDICAL DEVELOPMENT	2,120	39,620
147	NAVIGATION/ID SYSTEM	50,180	50,180
148	JOINT STRIKE FIGHTER (JSF) - EMD	561	561
149	JOINT STRIKE FIGHTER (JSF)	250	250
150	SSN(X)	1,000	1,000
151	MARINE CORPS IT DEV/MOD	974	974
152	INFORMATION TECHNOLOGY DEVELOPMENT	356,173	271,801
153	ANTI-TAMPER TECHNOLOGY SUPPORT	7,810	7,810
154	CH-53K	406,406	406,406
155	MISSION PLANNING	86,134	83,980
156	COMMON AVIONICS	54,540	54,540
157	SHIP TO SHORE CONNECTOR (SSC)	5,155	12,655
158	T-AO 205 CLASS	5,148	2,087
159	UNMANNED CARRIER AVIATION	266,970	256,970
160	JOINT AIR-TO-GROUND MISSILE (JAGM)	12,713	12,713

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
161	MULTI-MISSION MARITIME AIRCRAFT (MMA)	24,424	29,424
162	MULTI-MISSION MARITIME AIRCRAFT (MMA) INCREMENT 3	182,870	182,870
163	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOPMENT AND DEMO	41,775	41,775
164	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVELOPMENT AND DEMO	2,541	2,541
165	DDG-1000	208,448	223,448
169	TACTICAL CRYPTOLOGIC SYSTEMS	111,434	108,645
170	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	26,173	25,098
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	6,263,883	5,903,531
	RDT&E MANAGEMENT SUPPORT		
171	THREAT SIMULATOR DEVELOPMENT	22,075	22,075
172	TARGET SYSTEMS DEVELOPMENT	10,224	10,224
173	MAJOR T&E INVESTMENT	85,195	105,195
175	STUDIES AND ANALYSIS SUPPORT - NAVY	3,089	3,089
176	CENTER FOR NAVAL ANALYSES	43,517	43,517
179	TECHNICAL INFORMATION SERVICES	932	932
180	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	94,297	104,297
181	STRATEGIC TECHNICAL SUPPORT	3,813	3,813
183	RDT&E SHIP AND AIRCRAFT SUPPORT	104,822	104,822
184	TEST AND EVALUATION SUPPORT	446,960	419,212
185	OPERATIONAL TEST AND EVALUATION CAPABILITY	27,241	26,207
186	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT	15,787	15,787
187	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT	8,559	8,559
188	MARINE CORPS PROGRAM WIDE SUPPORT	42,749	37,749
189	MANAGEMENT HEADQUARTERS - R&D	41,094	41,094
190	WARFARE INNOVATION MANAGEMENT	37,022	33,171
193	INSIDER THREAT	2,310	2,310
194	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUPPORT ACTIVITIES)	1,536	1,536
	TOTAL, RDT&E MANAGEMENT SUPPORT	991,222	983,589
	OPERATIONAL SYSTEMS DEVELOPMENT		
199	HARPOON MODIFICATIONS	697	697
200	F-35 C2D2	379,549	349,879
201	F-35 C2D2	413,875	370,235

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
202	COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	143,667	134,602
204	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	173,056	127,979
205	SSBN SECURITY TECHNOLOGY PROGRAM	45,970	45,970
206	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	69,190	38,002
207	NAVY STRATEGIC COMMUNICATIONS	42,277	42,277
208	F/A-18 SQUADRONS	171,030	185,084
210	SURFACE SUPPORT	33,482	33,482
211	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC)	200,308	200,308
212	INTEGRATED SURVEILLANCE SYSTEM	102,975	112,860
213	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS	10,873	10,873
214	AMPHIBIOUS TACTICAL SUPPORT UNITS	1,713	1,713
215	GROUND/AIR TASK ORIENTED RADAR	22,205	22,205
216	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	83,956	75,756
218	ELECTRONIC WARFARE (EW) READINESS SUPPORT	56,791	42,986
219	HARM IMPROVEMENT	146,166	161,166
221	SURFACE ASW COMBAT SYSTEM INTEGRATION	29,348	29,348
222	MK-48 ADCAP	110,349	71,034
223	AVIATION IMPROVEMENTS	133,953	127,980
224	OPERATIONAL NUCLEAR POWER SYSTEMS	110,313	110,313
225	MARINE CORPS COMMUNICATIONS SYSTEMS	207,662	76,610
225A	MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS	---	124,681
226	COMMON AVIATION COMMAND AND CONTROL SYSTEM	4,406	4,406
227	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS	61,381	54,871
228	MARINE CORPS COMBAT SERVICES SUPPORT	10,421	10,421
229	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP)	29,977	29,977
230	AMPHIBIOUS ASSAULT VEHICLE	6,469	6,469
231	TACTICAL AIM MISSILES	5,859	5,859
232	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	44,323	40,869
236	SATELLITE COMMUNICATIONS (SPACE)	41,978	50,978
237	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES	29,684	34,684
238	INFORMATION SYSTEMS SECURITY PROGRAM	39,094	39,094
239	JOINT MILITARY INTELLIGENCE PROGRAMS	6,154	6,154
240	TACTICAL UNMANNED AERIAL VEHICLES	7,108	7,108
241	UAS INTEGRATION AND INTEROPERABILITY	62,098	62,098
242	DISTRIBUTED COMMON GROUND SYSTEMS/SURFACE SYSTEMS	21,500	21,500

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
244	MQ-4C TRITON	11,120	11,120
245	MQ-8 UAV	28,968	28,968
246	RQ-11 UAV	537	537
247	SMALL (LEVEL 0) TACTICAL UAS (STUASLO)	8,773	8,773
248	RQ-21A	10,853	10,853
249	MULTI-INTELLIGENCE SENSOR DEVELOPMENT	60,413	60,413
250	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP)	5,000	5,000
251	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT	34,967	34,967
252	RQ-4 MODERNIZATION	178,799	129,164
253	INTELLIGENCE MISSION DATA (IMD)	2,120	---
254	MODELING AND SIMULATION SUPPORT	8,683	8,683
255	DEPOT MAINTENANCE (NON-IF)	45,168	60,168
256	MARITIME TECHNOLOGY (MARITECH)	6,697	6,697
257	SATELLITE COMMUNICATIONS (SPACE)	70,056	35,956
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	3,532,011	3,271,827
9999	CLASSIFIED PROGRAMS	1,795,032	1,817,987
258	RISK MANAGEMENT INFORMATION - SOFTWARE PILOT PROGRAM	14,300	14,300
259	MARITIME TACTICAL COMMAND AND CONTROL (MTC2) - SOFTWARE PILOT PROGRAM	10,868	10,868
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-86,041
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY	21,427,048	20,078,829

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1	Budget Request	Final Bill
1 UNIVERSITY RESEARCH INITIATIVES	**116,816**	**144,816**
Program increase - university research initiatives		10,000
Program increase - defense university research instrumentation program		10,000
Program increase - aircraft fleet readiness and sustainment		8,000
3 DEFENSE RESEARCH SCIENCES	**467,158**	**489,984**
Mathematics, computer, and information sciences unjustified growth		-4,174
Program increase - defense research sciences		15,000
Program increase - silicon-germanium-tin alloy research		5,000
Program increase - bio-inspired engineering and design for naval applications		3,000
Program increase - predictive modeling and simulation for next generation naval undersea vehicles and platforms research		2,000
Program increase - USV batteries, materials, and additive manufacturing		2,000
4 POWER PROJECTION APPLIED RESEARCH	**17,792**	**38,792**
Program increase - miniaturization of lasers		5,000
Program increase - high power microwave systems for counter-UAS defense		16,000
5 FORCE PROTECTION APPLIED RESEARCH	**122,281**	**209,781**
Program increase - direct air capture and blue carbon removal technology		7,500
Program increase - talent and technology for Navy power and energy systems		10,500
Program increase - power generation and storage research		5,000
Program increase - data-model fusion		3,000
Program increase - coastal environmental research		5,000
Program increase - advanced energetics research		5,000
Program increase - machine discovery and learning		2,000
Program increase - additive manufacturing of unmanned maritime systems		10,000
Program increase - Asia Pacific technology and education program		5,000
Program increase - low cost silicon solar cells		2,500
Program increase - Navy alternative energy research		25,000
Program increase - robust energy infrastructure research		7,000
6 MARINE CORPS LANDING FORCE TECHNOLOGY	**50,623**	**55,623**
Program increase - unmanned logistics solutions		5,000
7 COMMON PICTURE APPLIED RESEARCH	**48,001**	**43,703**
Applied information sciences for decision making excess growth		-3,277
Unjustified growth		-1,021

R-1	Budget Request	Final Bill
8 WARFIGHTER SUSTAINMENT APPLIED RESEARCH	**67,765**	**116,255**
Surveillance technology excess growth		-1,010
Program increase - health and safety research of underground fuel storage facilities		5,000
Program increase - humanoid robotics in unstructured environments		5,000
Program increase - human performance and injury rehabilitation assessment tool		2,500
Program increase - force health protection and application		5,000
Program increase - engineered systems to preserve and restore hearing after deleterious stimulation		5,000
Program increase - hypersonics materials acceleration		4,000
Program increase - laser peening technology for submarine and carrier shafts		3,000
Program increase - lightweight anti-corrosion nanotechnology coating enhancement		5,000
Program increase - physics based neutralization of threats to human tissues and organs		5,000
Program increase - polymer coatings for reduced ice and fouling adhesion		5,000
Program increase - social networks and computational social science		2,000
Program increase - warfighter as a system human digital twin research		3,000
9 ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH	**84,994**	**92,994**
Program increase - navigation technology		3,000
Program increase - dark swarm in degraded environments		5,000
10 OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH	**63,392**	**80,284**
Unjustified growth		-2,108
Program increase - task force ocean		10,000
Program increase - naval special warfare superiority in underseas and maritime environments		5,000
Program increase - ocean acoustics for monitoring		4,000
12 UNDERSEA WARFARE APPLIED RESEARCH	**56,397**	**96,397**
Program increase - undersea sensing and communications		5,000
Program increase - cross domain autonomy for persistent maritime operations		10,000
Program increase - partnerships for undersea vehicle research		14,000
Program increase - resident undersea autonomous robotics		11,000
13 FUTURE NAVAL CAPABILITIES APPLIED RESEARCH	**167,590**	**170,724**
Sea warfare and weapons excess growth		-2,461
Warfighter performance excess growth		-2,405
Program increase - cooperative engagement capability mission based networking for data distribution systems		3,000
Program increase - improved detection of submarine threats		5,000
14 MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH	**30,715**	**33,215**
Program increase - robotics for mine neutralization		2,500

R-1	Budget Request	Final Bill
15 INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH	**160,537**	**161,725**
CLAWS unjustified growth		-4,988
Full spectrum undersea warfare unjustified request		-7,824
Program increase - thermoplastic composites for lightweight naval applications		4,000
Program increase - thermoplastic tailorable universal feedstock composites		10,000
18 ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY	**8,008**	**23,008**
Program increase - all digital radar technology		15,000
19 MARINE CORPS ADVANCED TECHNOLOGY DEMONSTRATION	**219,045**	**250,292**
Command, control, communications, computers excess growth		-9,299
Combat service support and force protection excess growth		-7,054
Program increase - expeditionary process, exploitation, and dissemination		5,000
Program increase - Marine Corps force design acceleration - organic reconnaissance, surveillance, and target acquisition		4,500
Program increase - Marine Corps force design acceleration - closed classified wargaming network and naval integration		1,000
Program increase - Marine Corps force design acceleration - project Artemis		11,100
Program increase - adaptive threat force footprint		6,000
Program increase - ensuring defense and operational systems resilience for Marine Corps tactical cyber and spectrum maneuver		10,000
Program increase - Marine Corps missions support station demonstration		10,000
21 FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEV	**246,054**	**231,139**
Long endurance airborne platform decoy concurrency		-4,818
DECAF unjustified request		-3,760
C-ENCAP program delays		-4,918
Air warfare FNCs program delays		-3,305
Surface warfare FNCs program delays		-4,418
Undersea warfare FNCs program delays		-4,696
Program increase - advanced energetics research		6,000
Program increase - development of submersible air revitalization		5,000
23 WARFIGHTER PROTECTION ADVANCED TECHNOLOGY	**4,851**	**33,151**
Program increase - bone marrow registry program		24,300
Program increase - novel therapeutic interventions research		4,000
26 INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY	**141,948**	**159,948**
Long range targeting concurrency		-2,000
Program increase - electromagnetic railgun		20,000

R-1	Budget Request	Final Bill
27 LARGE UNMANNED SURFACE VEHICLES	**464,042**	**93,700**
Transfer Medium Unmanned Surface Vehicle to line 27A (project 3428)		-26,302
Transfer Navy Large Unmanned Surface Vehicle program restructure to line 27A for Medium Unmanned Surface Vehicle program		-29,100
Navy Large Unmanned Surface Vehicle program restructure		-408,640
Navy Large Unmanned Surface Vehicle program restructure - warfare centers/program management only (project 3066)		28,100
Navy Large Unmanned Surface Vehicle program restructure - ghost fleet/overlord experimentation only (project 3066)		32,600
Navy Large Unmanned Surface Vehicle program restructure - large unmanned surface vehicles studies only (project 3066)		10,000
Navy Large Unmanned Surface Vehicle program restructure - autonomy, C2, elevated sensors, USV experimentation, technical and management services only (project 3067)		20,500
Navy Large Unmanned Surface Vehicle program restructure - RFP development and support only (project 3067)		2,500
27A MEDIUM UNMANNED SURFACE VEHICLES	**0**	**55,402**
Transfer Medium Unmanned Surface Vehicle from line 27 (project 3428)		26,302
Transfer Medium Unmanned Surface Vehicle machinery plant only, per Navy Large Unmanned Surface Vehicle program restructure from line 27		14,000
Transfer Naval Surface Warfare Center land-based engineering site for Medium Unmanned Surface Vehicle testing only, per Navy Large Unmanned Surface Vehicle program restructure from line 27		15,100
32 ASW SYSTEMS DEVELOPMENT	**15,719**	**18,719**
Program increase		3,000
34 ADVANCED COMBAT SYSTEMS TECHNOLOGY	**70,218**	**52,680**
LOCUST fixed wing tests funding early to need		-1,338
Advanced long range targeting funding early to need		-1,219
HIJENKS program restructure (project 3416)		-14,981
35 SURFACE AND SHALLOW WATER MINE COUNTERMEASURES	**52,358**	**47,808**
Barracuda schedule delays		-4,550
36 SURFACE SHIP TORPEDO DEFENSE	**12,816**	**11,816**
Torpedo warning systems funding excess to need		-1,000
38 PILOT FISH	**358,757**	**328,757**
Program adjustment		-30,000
43 ADVANCED SUBMARINE SYSTEM DEVELOPMENT	**185,356**	**152,373**
Project 9710 unjustified new start		-10,543
Project 9710 program delay		-27,430
Project 2096 material purchases for Block V VCS early to need		-4,010
Program increase - workforce partnership research		5,000
Program increase - improved CAVES technology		4,000

R-1	Budget Request	Final Bill
45 SHIP CONCEPT ADVANCED DESIGN	**126,396**	**117,305**
Cybersecurity previously funded		-1,500
Next generation medium amphibious ship excess to need		-6,000
Next generation medium logistics ship excess to need		-6,000
Project 4037 - funding for CHAMP submarine tender studies only		-10,591
Program increase - additive manufacturing		5,000
Program increase - polymorphic build farm for open source technologies		10,000
46 SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES	**70,270**	**46,970**
Project 0411 requirements and concept analysis excess growth		-16,200
Project 0411 preliminary design early to need		-17,100
Program increase - bridge integration program		10,000
48 ADVANCED SURFACE MACHINERY SYSTEMS	**38,449**	**40,681**
Power and energy systems contract award delay		-15,268
Program increase - silicon carbide power modules		10,000
Program increase - advanced power electronics integration		2,500
Program increase - small boat electric propulsion		5,000
50 LITTORAL COMBAT SHIP (LCS)	**32,178**	**42,178**
Program increase - defensive capability improvements		10,000
53 LITTORAL COMBAT SHIP (LCS) MISSION MODULES	**67,875**	**77,875**
Program increase - LCS anti-submarine warfare escort mission module test ship installation		10,000
54 AUTOMATED TEST AND RE-TEST	**4,797**	**34,797**
Program increase		30,000
57 MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM	**189,603**	**43,457**
Armored reconnaissance vehicle concurrency		-2,600
Long range unmanned surface vehicle concurrency		-4,339
Transfer Ground-based anti-ship missile (project 6637) to line 57A		-64,207
Transfer Long range fires (project 6638) to line 57B		-75,000
57A MARINE CORPS GROUND-BASED ANTI-SHIP MISSILE	**0**	**29,678**
Transfer Ground-based anti-ship missile (project 6637) from line 57		64,207
ROGUE vehicles and fire control systems acquisition concurrency with development		-25,429
GBASM missiles for user evaluation early to need		-9,100
57B MARINE CORPS LONG RANGE FIRES	**0**	**56,250**
Transfer Long range fires (project 6638) from line 57		75,000
Long range fires new start delay		-18,750
61 NAVY ENERGY PROGRAM	**23,422**	**56,422**
Program increase		15,000
Program increase - marine energy converters for sensors and microgrids		10,500
Program increase - natural gas technologies		7,500

R-1	Budget Request	Final Bill
63 CHALK CORAL	**545,763**	**426,577**
Program adjustment		-119,186
65 RETRACT MAPLE	**353,226**	**297,685**
Program adjustment		-55,541
66 LINK PLUMERIA	**544,388**	**482,418**
Program adjustment		-61,970
68 LINK EVERGREEN	**236,234**	**201,984**
Program adjustment		-34,250
71 LAND ATTACK TECHNOLOGY	**10,578**	**5,850**
Project 3401 continued lack of acquisition strategy		-4,728
74 DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS	**128,845**	**126,895**
HELCAP concurrency		-6,950
Program increase - high energy laser weapon system for counter-UAS area defense		5,000
76 DIGITAL WARFARE	**54,699**	**35,717**
Historical underexecution		-2,023
Excess growth		-16,959
77 SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES	**53,942**	**39,208**
Project 3785 prior year funding		-14,734
80 LARGE UNMANNED UNDERSEA VEHICLES	**78,122**	**62,557**
Contract award early to need		-15,565
81 GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER	**107,895**	**104,895**
Integrated digital shipbuilding excess growth		-7,000
Program increase - electronic personnel qualification standards system		4,000
82 AIRBORNE MINE COUNTERMEASURES	**17,366**	**17,966**
Historical underexecution		-2,400
Program increase - coastal battlefield reconnaissance and analysis		3,000
84 TACTICAL AIR DIRECTIONAL INFRARED COUNTERMEASURES	**59,776**	**50,281**
DAIRCM hardware development contract award delay		-9,495
85 EXPEDITIONARY LOGISTICS	**0**	**5,000**
Program increase - automated parts screening and selection tool for additive manufacturing		2,000
Program increase - alternative tactical power and battery research		3,000
87 RAPID TECHNOLOGY CAPABILITY PROTOTYPE	**3,664**	**5,664**
Historical underexecution		-1,000
Program increase - non-traditional small business support to Marine Corps Warfighting Laboratory		3,000

R-1	Budget Request	Final Bill
89 ADVANCED UNDERSEA PROTOTYPING	**115,858**	**89,812**
Test and evaluation delays		-26,046
90 COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS)	**14,259**	**2,598**
System development reduce duplication		-11,661
91 PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM	**1,102,387**	**79,417**
Miniature air launched decoy historical underexecution		-8,600
Advanced aerial refueling system lack of acquisition strategy		-5,995
Transfer Conventional prompt strike (project 3334) to line 91A		-1,008,375
91A CONVENTIONAL PROMPT STRIKE	**0**	**767,637**
Transfer Conventional prompt strike (project 3334) from line 91		1,008,375
Two missile round procurements excess to test requirements		-130,000
Block 2 missile design concurrency		-35,922
Apply SSN modification funding to test facilities consistent with Navy reprioritization		-64,816
Conventional prompt strike initial integration efforts - transfer to line 165		-15,000
Program increase - neutron radiographic inspection of cartridge and propellant actuated devices		5,000
SPACE & ELECTRONIC WARFARE (SEW) 92 ARCHITECTURE/ENGINE	**7,657**	**6,208**
Historical underexecution		-1,449
OFFENSIVE ANTI-SURFACE WARFARE WEAPON 93 DEVELOPMENT	**35,750**	**46,750**
LRASM funds - Navy requested transfer from line 141		11,000
95 ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM	**22,589**	**28,439**
Project 3135 studies and experimentation, prototype development, modeling and simulation, test and evaluation growth		-10,650
Program increase - KMAX experimentation and support		7,000
Program increase - mobile unmanned/manned distributed lethality airborne network joint capability technology demonstration		7,000
Program increase - fused integrated naval network		2,500
99 OTHER HELO DEVELOPMENT	**18,133**	**23,133**
Program increase - CH-53E health usage monitoring system		5,000
100 AV-8B AIRCRAFT - ENG DEV	**20,054**	**16,749**
Historical underexecution		-3,305
102 MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT	**27,340**	**37,340**
Program increase - MH-60 obsolescence issues		5,000
Program increase - MH-60 capability upgrades		5,000
105 WARFARE SUPPORT SYSTEM	**9,065**	**14,982**
Historical underexecution		-1,083
Program increase - COTS-based counter-UAV technology		5,000
Program increase - diesel fuel outboard motor testing		2,000

R-1	Budget Request	Final Bill
106 TACTICAL COMMAND SYSTEM	**97,968**	**124,896**
NOBLE projects delay		-8,782
Revised logistics IT acquisition strategy - Navy requested transfer from line 152		35,710
107 ADVANCED HAWKEYE	**309,373**	**275,813**
Apply unjustified prior DSSC growth to DSSC-6		-22,000
DSSC-6 excess growth		-25,560
Program increase - E-2D Advanced Hawkeye radar		14,000
108 H-1 UPGRADES	**62,310**	**57,960**
Historical underexecution		-4,350
113 ELECTRONIC WARFARE DEVELOPMENT	**134,194**	**131,914**
Historical underexecution		-6,397
Dual band decoy risk reduction early to need		-6,883
Program increase - intrepid tiger II		11,000
114 EXECUTIVE HELO DEVELOPMENT	**99,321**	**97,224**
VH-92A product improvement development unjustified growth		-2,097
115 NEXT GENERATION JAMMER (NGJ)	**477,680**	**447,152**
Historical underexecution		-29,199
Trainer early to need		-1,329
116 JOINT TACTICAL RADIO SYSTEM - NAVY (JTRS-NAVY)	**232,818**	**234,180**
ATDLS integration delays		-2,638
Program increase - multifunctional information distribution system acceleration		4,000
117 NEXT GENERATION JAMMER (NGJ) INCREMENT II	**170,039**	**165,614**
Primary hardware development contract delay		-4,425
118 SURFACE COMBATANT COMBAT SYSTEM ENGINEERING	**403,712**	**359,333**
Aegis development support excess growth		-12,845
Aegis capability build 2023-1 excess to need		-31,534
120 SMALL DIAMETER BOMB (SDB)	**62,488**	**51,097**
Historical underexecution		-11,391
121 STANDARD MISSILE IMPROVEMENTS	**386,225**	**307,518**
Interim capability development excess growth		-47,807
SM-6 Block IB mission integration, development, and operational test		-18,400
Electronics unit joint program lack of justification		-12,500
123 NAVAL INTEGRATED FIRE CONTROL-COUNTER AIR SYSTEMS ENG	**44,548**	**42,160**
Historical underexecution		-2,388
124 ADVANCED SENSORS APPLICATION PROGRAM	**13,673**	**12,673**
Poor justification		-1,000

R-1	Budget Request	Final Bill
125 ADVANCED ABOVE WATER SENSORS	**87,809**	**67,559**
Project 3423 one unit early to need		-20,250
128 SHIPBOARD AVIATION SYSTEMS	**9,593**	**11,593**
Program increase - fleet strike group aviation management		2,000
130 AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM	**78,319**	**62,005**
Hardware production and sustainment early to need		-16,314
132 NEW DESIGN SSN	**259,443**	**243,263**
Future payloads integration early to need		-26,180
Program increase - out-of-autoclave technology for submarines		10,000
133 SUBMARINE TACTICAL WARFARE SYSTEM	**63,878**	**71,378**
Program increase - combat systems of the future end-to-end cyber security tools		7,500
134 SHIP CONTRACT DESIGN/LIVE FIRE T&E	**51,853**	**63,763**
Historical underexecution		-2,590
Program increase - DDG-51 advanced degaussing mine protection system		7,000
ESB pilot program		7,500
136 MINE DEVELOPMENT	**92,607**	**85,205**
Encapsulate effector program delays		-7,402
137 LIGHTWEIGHT TORPEDO DEVELOPMENT	**146,012**	**115,752**
Project 3418 platform integration early to need		-30,260
139 USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS - ENG DEV	**33,784**	**29,467**
Increment II program delays		-4,317
140 PERSONNEL, TRAINING, SIMULATION, AND HUMAN FACTORS	**8,599**	**7,269**
Historical underexecution		-1,330
141 JOINT STANDOFF WEAPON SYSTEMS	**73,744**	**34,300**
LRASM funds - Navy requested transfer to line 93		-11,000
Funding excess to need		-28,444
142 SHIP SELF DEFENSE (DETECT & CONTROL)	**157,490**	**153,095**
Historical underexecution		-4,395
143 SHIP SELF DEFENSE (ENGAGE: HARD KILL)	**121,761**	**94,961**
Project 0173 excess new starts		-26,800
144 SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW)	**89,373**	**85,251**
SEWIP block 3 government engineering previously funded		-4,122
145 INTELLIGENCE ENGINEERING	**15,716**	**12,422**
Non-kinetic countermeasures support contract delays		-3,294

R-1	Budget Request	Final Bill
146 MEDICAL DEVELOPMENT	**2,120**	**39,620**
Program increase - wound care research		10,000
Program increase - military dental research		10,000
Program increase - autonomous aerial technology for distributed logistics		7,500
Program increase - ETEC enteric disease research		10,000
152 INFORMATION TECHNOLOGY DEVELOPMENT	**356,173**	**271,801**
Historical underexecution		-12,972
Revised logistics IT acquisition strategy - Navy requested transfer from project 3432 to line 106		-35,710
Project 3432 growth prior to change in acquisition strategy		-45,690
Program increase - cyber solutions for aviation systems and facilities		7,000
Program increase - cyber innovations in classified environments		3,000
155 MISSION PLANNING	**86,134**	**83,980**
STORM unjustified growth		-2,154
157 SHIP TO SHORE CONNECTOR (SSC)	**5,155**	**12,655**
Program increase - naval hovercraft propulsion applications		7,500
158 T-AO 205 CLASS	**5,148**	**2,087**
Operational and live fire test schedule delays		-3,061
159 UNMANNED CARRIER AVIATION	**266,970**	**256,970**
Air segment ESA excess to need		-10,000
161 MULTI-MISSION MARITIME AIRCRAFT (MMA)	**24,424**	**29,424**
Program increase - small business technology insertion		5,000
165 DDG-1000	**208,448**	**223,448**
Conventional prompt strike initial integration efforts - transfer from line 91A		15,000
169 TACTICAL CRYPTOLOGIC SYSTEMS	**111,434**	**108,645**
Historical underexecution		-2,789
170 CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	**26,173**	**25,098**
Historical underexecution		-1,075
173 MAJOR T&E INVESTMENT	**85,195**	**105,195**
Program increase - undersea range modernization		10,000
Program increase - integrated sensor effectiveness test		10,000
180 MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT	**94,297**	**104,297**
Program increase - printed circuit board executive agent		10,000
184 TEST AND EVALUATION SUPPORT	**446,960**	**419,212**
China Lake earthquake recovery - Navy requested transfer to OM,N line BSM1		-27,748
185 OPERATIONAL TEST AND EVALUATION CAPABILITY	**27,241**	**26,207**
OPTEVFOR support funding realignment not properly accounted		-1,034

R-1	Budget Request	Final Bill
188 MARINE CORPS PROGRAM WIDE SUPPORT	**42,749**	**37,749**
Project 3009 excess growth		-5,000
190 WARFARE INNOVATION MANAGEMENT	**37,022**	**33,171**
Historical underexecution		-3,851
200 F-35 C2D2	**379,549**	**349,879**
Air vehicle - technology refresh 3	[60,429]	[60,429]
Air vehicle block 4 planning and sys eng	[105,662]	[92,724]
Phase II efforts unjustified program growth		-12,938
Test and evaluation	[98,484]	[98,484]
Propulsion	[13,815]	[13,815]
Maintenance systems/ALIS development	[20,075]	[11,575]
Acquisition strategy for ALIS LM efforts		-8,500
Combat data systems	[23,180]	[23,180]
Training systems and simulation	[35,382]	[23,229]
Unjustified growth		-12,153
Infrastructure and support costs	[7,067]	[3,489]
Fixed JPO support forward financing		-2,058
Fixed JPO support		-1,520
DevSecOps	[2,200]	[2,200]
Statutory reductions	[13,255]	[12,054]
Unjustified program growth		-1,201
Program increase - advanced countermeasure dispenser system for F-35B		8,700
201 F-35 C2D2	**413,875**	**370,235**
Air vehicle - technology refresh 3	[65,465]	[65,465]
Air vehicle block 4 planning and sys eng	[142,147]	[124,742]
Phase II efforts unjustified program growth		-17,405
Test and evaluation	[85,972]	[85,972]
Propulsion	[14,820]	[14,820]
Maintenance systems/ALIS development	[20,075]	[11,575]
Acquisition strategy for ALIS LM efforts		-8,500
Combat data systems	[24,266]	[24,266]
Training systems and simulation	[37,402]	[24,555]
Unjustified growth in BPAC 676011		-12,847
Infrastructure and support costs	[7,067]	[3,489]
Fixed JPO support forward financing		-2,058
Fixed JPO support		-1,520
DevSecOps	[2,200]	[2,200]
Statutory reductions	[14,461]	[13,151]
Unjustified program growth		-1,310
202 COOPERATIVE ENGAGEMENT CAPABILITY (CEC)	**143,667**	**134,602**
Historical underexecution		-4,688
CEC cyber resiliency excess growth		-2,577
FIRECAP unjustified new start		-1,800

R-1	Budget Request	Final Bill
204 STRATEGIC SUB & WEAPONS SYSTEM SUPPORT	**173,056**	**127,979**
Project 2228 D5LE2 growth for submarine launched ballistic missile and strategic guidance technologies		-57,077
Program increase - next generation strategic inertial measurement unit		6,000
Program increase - scalable very high temperature composite manufacturing technologies		6,000
206 SUBMARINE ACOUSTIC WARFARE DEVELOPMENT	**69,190**	**38,002**
Submarine torpedo defense system schedule slip		-4,764
Compact rapid attack weapon concurrency		-35,924
Program increase - acoustic device countermeasures		9,500
208 F/A-18 SQUADRONS	**171,030**	**185,084**
Multi-system integration/common tactical picture previously funded		-2,946
Program increase - Growler noise mitigation research		4,000
Program increase - beacon obsolescence issues		3,000
Program increase - fifth generation sensor fusion study		10,000
212 INTEGRATED SURVEILLANCE SYSTEM	**102,975**	**112,860**
Historical underexecution		-2,615
Program increase - maritime surveillance system sensor and signal processing performance improvements		12,500
216 CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT	**83,956**	**75,756**
Project 1427 unjustified new start		-8,200
218 ELECTRONIC WARFARE (EW) READINESS SUPPORT	**56,791**	**42,986**
Project 2263 unjustified growth		-5,886
Project 3426 unjustified growth		-7,919
219 HARM IMPROVEMENT	**146,166**	**161,166**
Program increase		15,000
222 MK-48 ADCAP	**110,349**	**71,034**
APB 7 development early to need		-2,140
TI-1 hardware development prior year contract award delay		-28,625
TI-2 prototypes early to need		-8,550
223 AVIATION IMPROVEMENTS	**133,953**	**127,980**
Historical underexecution		-5,973
225 MARINE CORPS COMMUNICATIONS SYSTEMS	**207,662**	**76,610**
Air defense weapons systems (project 2278) - transfer to line 225A		-131,052
225A MARINE CORPS AIR DEFENSE WEAPONS SYSTEMS	**0**	**124,681**
Air defense weapons systems (project 2278) - transfer from line 225		131,052
Project 2278 MRIC test and evaluation resources for engineering support only, per Marine Corps-identified requirement		[9,200]
Project 2278 increment 3 test and evaluation early to need		-12,671
Program increase - L-MADIS systems		6,300

R-1	Budget Request	Final Bill
MARINE CORPS GROUND COMBAT/SUPPORTING ARMS		
227 SYSTEMS	**61,381**	**54,871**
Historical underexecution		-6,510
232 ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	**44,323**	**40,869**
Test and evaluation previously funded		-1,727
System improvement program efforts failure to comply with congressional direction		-1,727
236 SATELLITE COMMUNICATIONS (SPACE)	**41,978**	**50,978**
Program increase - Navy multiband terminal program interference mitigation technology test		9,000
237 CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES	**29,684**	**34,684**
Program increase - network and data center intelligent agent program		5,000
252 RQ-4 MODERNIZATION	**178,799**	**129,164**
Excess cost growth		-49,635
253 INTELLIGENCE MISSION DATA (IMD)	**2,120**	**0**
Unjustified new start		-2,120
255 DEPOT MAINTENANCE (NON-IF)	**45,168**	**60,168**
Program increase - defense industrial skills and technology training		5,000
Program increase - portable high pressure cold spray system		10,000
257 SATELLITE COMMUNICATIONS (SPACE)	**70,056**	**35,956**
MUOS (project 2472) follow-on engineering and contract acquisition planning		-34,100
999 CLASSIFIED PROGRAMS	**1,795,032**	**1,817,987**
Classified adjustment		22,955
UNDISTRIBUTED REDUCTION - EXCESS TO NEED	**0**	**-86,041**

SMALL BUSINESS INNOVATION RESEARCH PROGRAM

The Small Business Innovation Research Program (SBIR) is designed to attract small technology companies to participate in federally sponsored research and development in order to enable advances in innovative technology disruption. It is noted that despite significant investment and acquisition preference for SBIR companies, there are few signs of creative disruptions, and it is further noted that the failure of the Department of Defense to capitalize on SBIR investments and incorporate disruptive innovation is demonstrated by the repeated failure of the Navy to sufficiently resource the Automated Test and Retest (ATRT) program, which has produced transformative technology, including the ATRT/AEGIS Virtual Twin. The agreement includes a total of $34,797,000 for the ATRT program. Additionally, the Secretary of the Navy is directed to adhere to SBIR law and use SBIR awardees to the greatest extent practicable thus allowing and assisting SBIR awardees to commercialize technologies related to those developed under SBIR Phase I, II, and III awards.

OFFICE OF NAVAL RESEARCH BUDGET STRUCTURE AND BUDGET JUSTIFICATION MATERIALS

Previously stated direction contained in Senate Report 116–103 regarding the program element structure for Navy science and technology projects is reiterated in this agreement. Further, it is noted that acquisition-type prototyping efforts managed by the Office of Naval Research (ONR) require additional oversight, fiscal clarity, and adherence to financial management practices in order to avoid the schedule and cost growth seen, for instance, in the Solid State Laser-Technology Maturation program. Finally, concerns remain with the lack of timely transmission, as well as the format, of classified project and budget details for ONR efforts. The Assistant Secretary of the Navy (Financial Management and Comptroller) and the Chief, Naval Research, are directed, not later than 30 days after the enactment of this Act, to present a plan to the congressional defense committees to ensure that ONR's classified project-specific information, required by the congressional defense committees for their budget review, be provided concurrent with submission of the President's budget in the appropriate format.

MARINE CORPS FORCE DESIGN INITIATIVES

Shortly after submission of the fiscal year 2021 President's budget request, the Commandant of the Marine Corps released ''Force Design 2030,'' followed by the submission to Congress of an above threshold reprogramming request to accelerate certain technology development efforts in support of Force Design efforts. This reprogramming request was approved by all four congressional defense committees, and additional appropriations are recommended in fiscal year 2021 to continue this acceleration. It is expected that these programs will be fully funded in the fiscal year 2022 President's budget request.

Further, the fiscal year 2021 President's budget request includes several acquisition programs that support the Commandant's Force Design, including the Ground-Based Anti-Ship Missile, Long Range Fires, Organic Precision Fires, and the Long-Range Unmanned Surface Vessel programs. There is concern that the Marine Corps is overly dependent on prototyping and mid-tier acquisition fielding authorities for developing these programs. Therefore, the Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to review the Marine Corps' acquisition strategies for these and other programs related to Force Design, and to certify their appropriate use to the congressional defense committees not later than with the submission of the fiscal year 2022 President's budget request.

FUTURE SURFACE COMBATANT FORCE

The fiscal year 2021 President's budget request includes $46,453,000 in program element 0603564N for requirements development, prototyping, and preliminary contract design of a new Large Surface Combatant (LSC) class to succeed the current DDG–51 Flight III destroyer. Additionally, $19,020,000 is included in program element 0603563N for requirements and concept analysis of an LSC. Despite repeated delays to the LSC program, the Navy has reduced the acquisition profile for DDG–51 Flight III destroyers in recent budget submissions, and has not delineated a clear acquisition path for large surface combatants following the conclusion of the current DDG–51 Flight III destroyer multi-year procurement contract in fiscal year 2022. Absent a clear understanding of future Navy LSC force structure requirements and acquisition strategies, the proposed increase in funding for LSC, to include $17,100,000 in preliminary design efforts, is not supported.

Further, it is noted that information provided by the Navy in response to Senate Report 116–103 regarding the Navy's Surface Capability Evolution Plan (SCEP) was incomplete. The Assistant Secretary of the Navy (Research, Development and Acquisition) is directed to provide to the congressional defense committees, with the fiscal year 2022 President's budget request, the updated acquisition strategies for each element of the Navy's SCEP, as previously requested, and the Assistant Secretary of the Navy (Financial Management and Comptroller) is directed to provide, with the fiscal year 2022 President's budget request, updated cost estimates for each element of the SCEP, and to certify full funding in the budget request for each respective acquisition strategy of the SCEP elements.

AEGIS BASELINES BUDGET ESTIMATES

As previously expressed in Senate Report 116–103, concerns remain with the lack of stability in scope and costs of AEGIS baselines from one budget submission to the next and the lack of associated details in budget justification materials. The Department of the Navy Program Executive Officer, Integrated Warfare Systems, and the Missile Defense Agency Program Executive, Sea-Based Weapons Systems, are directed to provide to the congressional defense committees, not later than 30 days after the enactment of this Act, a joint acquisition baseline for AEGIS development efforts.

CH–53K SYSTEM DEMONSTRATION TEST ARTICLE AIRCRAFT

The Assistant Secretary of the Navy (Research, Development and Acquisition) and the Assistant Secretary of the Navy (Financial Management and Comptroller) are directed to continue to comply with the direction contained in Senate Report 116–103 regarding System Demonstration Test Article aircraft for the CH–53K program.

NAVAL EXPEDITIONARY SUSTAINMENT AND REPAIR

The agreement recognizes the value of aligning technology-based solutions with expeditionary shipboard sustainment and repair concepts of operations to improve warship resiliency, lethality, and availability. The Secretary of the Navy is urged to continue investment in these areas.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE

The agreement provides $36,357,443,000 for Research, Development, Test and Evaluation, Air Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE		
	BASIC RESEARCH		
1	DEFENSE RESEARCH SCIENCES	315,348	325,348
2	UNIVERSITY RESEARCH INITIATIVES	161,861	196,861
3	HIGH ENERGY LASER RESEARCH INITIATIVES	15,085	15,085
	TOTAL, BASIC RESEARCH	492,294	537,294
	APPLIED RESEARCH		
4	FUTURE AF CAPABILITIES APPLIED RESEARCH	100,000	80,000
5	MATERIALS	140,781	238,281
6	AEROSPACE VEHICLE TECHNOLOGIES	349,225	164,726
7	HUMAN EFFECTIVENESS APPLIED RESEARCH	115,222	134,122
8	AEROSPACE PROPULSION	---	201,415
9	AEROSPACE SENSORS	211,301	233,301
11	SCIENCE AND TECHNOLOGY MANAGEMENT - MAJOR HEADQUARTERS	8,926	8,926
12	CONVENTIONAL MUNITIONS	132,425	127,425
13	DIRECTED ENERGY TECHNOLOGY	128,113	130,613
14	DOMINANT INFORMATION SCIENCES AND METHODS	178,668	215,668
15	HIGH ENERGY LASER RESEARCH	45,088	29,208
	TOTAL, APPLIED RESEARCH	1,409,749	1,563,685
	ADVANCED TECHNOLOGY DEVELOPMENT		
17	AF FOUNDATIONAL DEVELOPMENT/DEMOS	103,280	---
18	FUTURE AF INTEGRATED TECHNOLOGY DEMOS	157,619	147,619
19	NEXT GEN PLATFORM DEV/DEMO	199,556	---
20	PERSISTENT KNOWLEDGE, AWARENESS, & C2 TECH	102,276	---
21	NEXT GEN EFFECTS DEV/DEMOS	215,817	---
22	ADVANCED MATERIALS FOR WEAPON SYSTEMS	---	60,169
23	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)	---	16,933
24	ADVANCED AEROSPACE SENSORS	---	35,338
25	AEROSPACE TECHNOLOGY DEV/DEMO	---	62,230
26	AEROSPACE PROPULSION AND POWER TECHNOLOGY	---	144,492
27	ELECTRONIC COMBAT TECHNOLOGY	---	35,906
28	ADVANCED SPACECRAFT TECHNOLOGY	---	87,768
29	MAUI SPACE SURVEILLANCE SYSTEM (MSSS)	---	12,090
30	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT	---	31,725

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
31	CONVENTIONAL WEAPONS TECHNOLOGY	---	134,145
32	ADVANCED WEAPONS TECHNOLOGY	---	31,445
33	MANUFACTURING TECHNOLOGY PROGRAM	---	139,001
34	BATTLESPACE KNOWLEDGE DEVELOPMENT & DEMONSTRATION	---	63,221
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	778,548	1,002,082
	ADVANCED COMPONENT DEVELOPMENT		
38	INTELLIGENCE ADVANCED DEVELOPMENT	4,320	4,320
39	COMBAT IDENTIFICATION TECHNOLOGY	26,396	26,396
40	NATO RESEARCH AND DEVELOPMENT	3,647	3,647
41	IBCM DLM/VAL	32,959	32,959
43	AIR FORCE WEATHER SERVICES RESEARCH	869	2,238
44	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)	302,323	158,782
45	ADVANCED ENGINE DEVELOPMENT	636,495	666,495
46	LONG RANGE STRIKE	2,848,410	2,848,410
47	DIRECTED ENERGY PROTOTYPING	20,964	19,464
48	HYPERSONICS PROTOTYPING	381,862	386,862
50	ADVANCED TECHNOLOGY AND SENSORS	24,747	24,747
51	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP	76,417	59,498
52	TECHNOLOGY TRANSFER	3,011	17,011
53	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM	52,921	52,921
54	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS	69,783	69,783
55	DEPLOYMENT AND DISTRIBUTION ENTERPRISE R&D	25,835	25,835
56	TECH TRANSITION PROGRAM	219,252	306,502
56A	RAPID SUSTAINMENT MODERNIZATION	---	20,000
57	GROUND BASED STRATEGIC DETERRENT	1,524,759	1,449,759
59	NEXT GENERATION AIR DOMINANCE	1,044,089	904,089
60	THREE DIMENSIONAL LONG-RANGE RADAR	19,356	19,356
61	AIRBASE AIR DEFENSE SYSTEMS (ABADS)	8,737	8,737
62	UNIFIED PLATFORM (UP)	5,990	5,990
63	COMMON DATA LINK EXECUTIVE AGENT (CDL EA)	39,293	39,293
65	MISSION PARTNER ENVIRONMENTS	11,430	11,430
66	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT	259,823	234,823
66A	CCSO TECH DEVELOPMENT	---	20,000
67	ENABLED CYBER ACTIVITIES	10,560	10,560

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
68	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION	9,908	6,208
69	CONTRACTING INFORMATION TECHNOLOGY SYSTEM	8,662	5,672
74	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	8,787	---
77	SPACE SECURITY AND DEFENSE PROGRAM	56,311	---
	TOTAL, ADVANCED COMPONENT DEVELOPMENT	7,737,916	7,441,787
	ENGINEERING & MANUFACTURING DEVELOPMENT		
82	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	25,161	22,936
83	PNT RESILIENCY, MODS AND IMPROVEMENTS	38,564	38,564
84	NUCLEAR WEAPONS SUPPORT	35,033	26,105
85	ELECTRONIC WARFARE DEVELOPMENT	2,098	2,098
86	TACTICAL DATA NETWORKS ENTERPRISE	131,909	121,409
87	PHYSICAL SECURITY EQUIPMENT	6,752	6,752
88	SMALL DIAMETER BOMB (SDB)	17,280	---
90	ARMAMENT/ORDNANCE DEVELOPMENT	23,076	23,076
91	SUBMUNITIONS	3,091	3,091
92	AGILE COMBAT SUPPORT	20,609	19,015
93	JOINT DIRECT ATTACK MUNITION	7,926	6,818
94	LIFE SUPPORT SYSTEMS	23,660	28,660
95	COMBAT TRAINING RANGES	8,898	23,898
96	F-35 - EMD	5,423	5,423
97	LONG RANGE STANDOFF WEAPON	474,430	385,430
98	ICBM FUZE MODERNIZATION	167,099	156,979
100	OPEN ARCHITECTURE MANAGEMENT	30,547	30,547
102	ADVANCED PILOT TRAINING	248,669	248,669
103	COMBAT RESCUE HELICOPTER	63,169	63,169
105	NUCLEAR WEAPONS MODERNIZATION	9,683	9,683
106	F-15 EPAWSS	170,679	170,679
107	STAND IN ATTACK WEAPON	160,438	150,646
108	FULL COMBAT MISSION TRAINING	9,422	9,422
110	COMBAT SURVIVOR EVADER LOCATOR	973	973
111	KC-46A TANKER SQUADRONS	106,262	76,162
113	PRESIDENTIAL AIRCRAFT REPLACEMENT	800,889	800,889
114	AUTOMATED TEST SYSTEMS	10,673	10,673
115	TRAINING DEVELOPMENTS	4,479	4,479

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
116	AF A1 SYSTEMS	8,467	7,467
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT	2,615,359	2,453,712
	RDT&E MANAGEMENT SUPPORT		
131	THREAT SIMULATOR DEVELOPMENT	57,725	57,725
132	MAJOR T&E INVESTMENT	208,680	208,680
133	RAND PROJECT AIR FORCE	35,803	35,803
135	INITIAL OPERATIONAL TEST & EVALUATION	13,557	13,557
136	TEST AND EVALUATION SUPPORT	764,606	764,606
137	ACQ WORKFORCE- GLOBAL POWER	---	271,276
138	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS	---	255,233
139	ACQ WORKFORCE- GLOBAL REACH	---	158,429
140	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS	---	255,162
141	ACQ WORKFORCE- GLOBAL BATTLE MGMT	---	177,811
142	ACQ WORKFORCE- CAPABILITY INTEGRATION	1,362,038	219,868
143	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY	40,768	58,584
144	ACQ WORKFORCE- NUCLEAR SYSTEMS	179,646	179,646
145	MANAGEMENT HQ - R&D	5,734	5,734
146	FACILITIES RESTORATION & MODERNIZATION - TEST & EVAL	70,985	70,985
147	FACILITIES SUSTAINMENT - TEST AND EVALUATION SUPPORT	29,880	29,880
148	REQUIREMENTS ANALYSIS AND MATURATION	63,381	68,381
149	MANAGEMENT HQ - T&E	5,785	5,785
150	COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4) - STRATCOM	24,564	21,564
151	ENTERPRISE INFORMATION SERVICES (EIS)	9,883	9,883
152	ACQUISITION AND MANAGEMENT SUPPORT	13,384	13,384
153	GENERAL SKILL TRAINING	1,262	1,262
155	INTERNATIONAL ACTIVITIES	3,599	3,599
	TOTAL, RDT&E MANAGEMENT SUPPORT	2,891,280	2,886,837
	OPERATIONAL SYSTEMS DEVELOPMENT		
163	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING	8,777	11,577
164	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D	499	499
165	F-35 C2D2	785,336	697,140
166	AIR FORCE INTEGRATED MILITARY HUMAN RESOURCES SYSTEM	27,035	27,035
167	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY	50,508	47,193

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
168	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION	71,229	71,229
169	HC/MC-130 RECAP RDT&E	24,705	19,527
170	NC3 INTEGRATION	26,356	26,356
171	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	---	3,000
172	B-52 SQUADRONS	520,023	483,623
173	AIR-LAUNCHED CRUISE MISSILE (ALCM)	1,433	1,433
174	B-1B SQUADRONS	15,766	15,766
175	B-2 SQUADRONS	187,399	181,399
176	MINUTEMAN SQUADRONS	116,569	89,469
177	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	27,235	31,223
178	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK	24,227	24,227
179	ICBM REENTRY VEHICLES	112,753	112,753
181	UH-1N REPLACEMENT PROGRAM	44,464	41,464
182	REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION	5,929	10,724
183	NORTH WARNING SYSTEM (NWS)	100	100
184	MQ-9 UAV	162,080	107,080
186	A-10 SQUADRONS	24,535	24,535
187	F-16 SQUADRONS	223,437	202,868
188	F-15E SQUADRONS	298,908	288,908
189	MANNED DESTRUCTIVE SUPPRESSION	14,960	14,960
190	F-22 SQUADRONS	665,038	665,038
191	F-35 SQUADRONS	132,229	114,830
192	F-15EX	159,761	159,761
193	TACTICAL AIM MISSILES	19,417	19,417
194	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	51,799	51,799
	SMALL DIAMETER BOMB (SDB)	---	20,780
195	COMBAT RESCUE - PARARESCUE	669	669
196	AF TENCAP	21,644	21,644
197	PRECISION ATTACK SYSTEMS PROCUREMENT	9,261	9,261
198	COMPASS CALL	15,854	15,854
199	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	95,896	125,896
200	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)	70,792	70,792
201	AIR AND SPACE OPERATIONS CENTER (AOC)	51,187	51,187
202	CONTROL AND REPORTING CENTER (CRC)	16,041	16,041

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
203	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	138,303	124,151
204	TACTICAL AIRBORNE CONTROL SYSTEMS	4,223	4,223
206	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES	16,564	16,564
207	THEATER BATTLE MANAGEMENT (TBM) C41	7,858	7,858
208	TACTICAL AIR CONTROL PARTY--MOD	12,906	12,906
210	DCAPES	14,816	14,816
211	AIR FORCE CALIBRATION PROGRAMS	1,970	1,970
212	NATIONAL TECHNICAL NUCLEAR FORENSICS	396	396
213	SEEK EAGLE	29,680	29,680
214	USAF MODELING AND SIMULATION	17,666	17,666
215	WARGAMING AND SIMULATION CENTERS	6,353	6,353
216	BATTLEFIELD ABN COMM NODE (BACN)	6,827	6,827
217	DISTRIBUTED TRAINING AND EXERCISES	3,390	3,390
218	MISSION PLANNING SYSTEMS	91,768	91,768
219	TACTICAL DECEPTION	2,370	---
220	OPERATIONAL HG - CYBER	5,527	5,527
221	DISTRIBUTED CYBER WARFARE OPERATIONS	68,279	68,279
222	AF DEFENSIVE CYBERSPACE OPERATIONS	15,165	30,165
223	JOINT CYBER COMMAND AND CONTROL (JCC2)	38,480	38,480
224	UNIFIED PLATFORM (UP)	84,645	84,645
230	GEOBASE	2,767	2,767
231	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	32,759	32,759
238	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS	2,904	1,404
239	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC)	3,468	3,468
240	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	61,887	44,722
242	INFORMATION SYSTEMS SECURITY PROGRAM	10,351	10,351
243	GLOBAL FORCE MANAGEMENT - DATA INITIATIVE	1,346	1,346
246	AIRBORNE SIGINT ENTERPRISE	128,110	128,110
247	COMMERCIAL ECONOMIC ANALYSIS	4,042	4,042
251	CCMD INTELLIGENCE INFORMATION TECHNOLOGY	1,649	1,649
252	ISR MODERNIZATION & AUTOMATION DVMT (IMAD)	19,265	19,265
253	GLOBAL AIR TRAFFIC MANAGEMENT (GATM)	4,645	4,645
254	CYBER SECURITY INITIATIVE	384	384
255	WEATHER SERVICE	23,640	36,640

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
256	AIR TRAFFIC CONTROL, APPROACH, & LANDING SYSTEM (ATC).	6,553	6,553
257	AERIAL TARGETS	449	449
260	SECURITY AND INVESTIGATIVE ACTIVITIES	432	432
262	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES	4,890	4,890
264	INTEGRATED BROADCAST SERVICE	8,864	8,864
265	DRAGON U-2	18,660	36,660
267	AIRBORNE RECONNAISSANCE SYSTEMS	121,512	123,512
268	MANNED RECONNAISSANCE SYSTEMS	14,711	14,711
269	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	14,152	14,152
270	RQ-4 UAV	134,589	163,589
271	NETWORK-CENTRIC COLLABORATIVE TARGET (TIARA)	15,049	15,049
272	NATO AGS	36,731	36,731
273	SUPPORT TO DCGS ENTERPRISE	33,547	33,547
274	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	13,635	17,315
275	RAPID CYBER ACQUISITION	4,262	4,262
276	PERSONNEL RECOVERY COMMAND & CTRL (PRC2)	2,207	2,207
277	INTELLIGENCE MISSION DATA (IMD)	6,277	6,277
278	C-130 AIRLIFT SQUADRON	41,973	41,973
279	C-5 AIRLIFT SQUADRONS	32,560	30,560
280	C-17 AIRCRAFT	9,991	9,991
281	C-130J PROGRAM	10,674	10,674
282	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM)	5,507	5,507
283	KC-135S	4,591	4,591
286	CV-22	18,419	18,419
288	SPECIAL TACTICS / COMBAT CONTROL	7,673	7,673
290	MAINTENANCE, REPAIR & OVERHAUL SYSTEM	24,513	24,513
291	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	35,225	33,247
292	SUPPORT SYSTEMS DEVELOPMENT	11,838	11,838
293	OTHER FLIGHT TRAINING	1,332	1,332
295	JOINT PERSONNEL RECOVERY AGENCY	2,092	2,092
296	CIVILIAN COMPENSATION PROGRAM	3,869	3,869
297	PERSONNEL ADMINISTRATION	1,584	1,584
298	AIR FORCE STUDIES AND ANALYSIS AGENCY	1,197	1,197
299	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVELOPMENT	7,006	7,006

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
300	DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS)	45,638	40,638
301	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	1,889	---
302	SERVICE SUPPORT TO STRATCOM - SPACE ACTIVITIES	993	993
303	SERVICE SUPPORT TO SPACECOM ACTIVITIES	8,999	8,999
314	SPACE SUPERIORITY INTELLIGENCE	16,810	---
316	NATIONAL SPACE DEFENSE CENTER	2,687	---
318	NCMC - TW/AA SYSTEM	6,990	---
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	5,688,824	5,490,169
9999	CLASSIFIED PROGRAMS	15,777,856	15,030,480
323	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-48,603
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	37,391,826	36,357,443

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Final Bill
1	**DEFENSE RESEARCH SCIENCES**	**315,348**	**325,348**
	Program increase - defense research sciences		10,000
2	**UNIVERSITY RESEARCH INITIATIVES**	**161,861**	**196,861**
	Program increase - university research initiatives		15,000
	Program increase - solar block research		5,000
	Program increase - hypersonic supply chain research		5,000
	Program increase - gigahertz - terahertz electronics and material research		10,000
4	**FUTURE AF CAPABILITIES APPLIED RESEARCH**	**100,000**	**80,000**
	Transformational research forward financing		-20,000
5	**MATERIALS**	**140,781**	**238,281**
	Program increase - coating technologies		10,000
	Program increase - deployable passive cooling		5,000
	Program increase - classified additive manufacturing		20,000
	Program increase - human monitoring capabilities		9,500
	Program increase - ceramic matrix composites		10,000
	Program increase - certification of advanced composites		15,000
	Program increase - high performance material		8,000
	Program increase - technology for broadband operation		10,000
	Program increase - thermal protection for hypersonic vehicles		10,000
6	**AEROSPACE VEHICLE TECHNOLOGIES**	**349,225**	**164,726**
	Transfer to line 8		-203,865
	Transfer to line 26		-2,434
	Aerospace power and flight control technology unjustified program growth		-1,200
	Program increase - secure UAV technologies		10,000
	Program increase - modeling and testing of high temperature aero vehicles		4,000
	Program increase - advanced battery technology for directed energy		5,000
	Program increase - hypersonic research and education		4,000
7	**HUMAN EFFECTIVENESS APPLIED RESEARCH**	**115,222**	**134,122**
	Program increase - human motion assessment		4,000
	Program increase - pilot hypoxia detection and notification		9,900
	Program increase - warfighter physiology program		5,000
8	**AEROSPACE PROPULSION**	**0**	**201,415**
	Transfer from line 6		203,865
	High power system technologies unjustified program growth		-2,450
9	**AEROSPACE SENSORS**	**211,301**	**233,301**
	Program increase - exploitation detection for flexible combat avionics		5,000
	Program increase - low cost sensors for small unmanned vehicles		5,000
	Program increase - additive manufacturing for electronics		6,000
	Program increase - cyber assurance and assessment of electronic hardware systems		6,000

R-1		Budget Request	Final Bill
12	**CONVENTIONAL MUNITIONS**	**132,425**	**127,425**
	Unjustified program growth		-5,000
13	**DIRECTED ENERGY TECHNOLOGY**	**128,113**	**130,613**
	Program increase - directed energy center of excellence		2,500
14	**DOMINANT INFORMATION SCIENCES AND METHODS**	**178,668**	**215,668**
	Program increase - trusted UAS traffic management and c-SUAS testbed		10,000
	Program increase - quantum network testbed		10,000
	Program increase - quantum information science innovation center		10,000
	Program increase - quantum cryptography		7,000
15	**HIGH ENERGY LASER RESEARCH**	**45,088**	**29,208**
	Program increase - fiber laser research		5,000
	Forward financing		-20,880
17	**AF FOUNDATIONAL DEVELOPMENT/DEMOS**	**103,280**	**0**
	Transfer to line 22		-35,169
	Transfer to line 23		-16,933
	Transfer to line 30		-10,777
	Transfer to line 33		-40,401
18	**FUTURE AF INTEGRATED TECHNOLOGY DEMOS**	**157,619**	**147,619**
	Future transformational capabilities unjustified request		-10,000
19	**NEXT GEN PLATFORM DEV/DEMO**	**199,556**	**0**
	Transfer to line 25		-37,230
	Transfer to line 26		-105,058
	Transfer to line 28		-57,268
20	**PERSISTENT KNOWLEDGE, AWARENESS AND C2 TECH**	**102,276**	**0**
	Transfer to line 24		-35,338
	Transfer to line 27		-4,699
	Transfer to line 29		-12,090
	Transfer to line 30		-20,948
	Transfer to line 34		-29,201
21	**NEXT GEN EFFECTS DEV/DEMOS**	**215,817**	**0**
	Transfer to line 27		-31,207
	Transfer to line 31		-134,145
	Transfer to line 32		-31,445
	Transfer to line 34		-19,020
22	**ADVANCED MATERIALS FOR WEAPON SYSTEMS**	**0**	**60,169**
	Transfer from line 17		35,169
	Program increase - metals affordability research		10,000
	Program increase - composites technology		6,000
	Program increase - additive manufacturing for aerospace components		5,000
	Program increase - advanced ballistic eyewear		4,000
23	**SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T)**	**0**	**16,933**
	Transfer from line 17		16,933

R-1		Budget Request	Final Bill
24	**ADVANCED AEROSPACE SENSORS**	**0**	**35,338**
	Transfer from line 20		35,338
25	**AEROSPACE TECHNOLOGY DEV/DEMO**	**0**	**62,230**
	Transfer from line 19		37,230
	Program increase - Agility Prime		25,000
26	**AEROSPACE PROPULSION & POWER TECHNOLOGY**	**0**	**144,492**
	Transfer from line 19		105,058
	Transfer from line 6		2,434
	Program increase - multi-mode propulsion		5,000
	Program increase - low spool generator capabilities		5,000
	Program increase - small turbine engines for long range weapons		17,000
	Program increase - silicon carbide research		10,000
27	**ELECTRONIC COMBAT TECHNOLOGY**	**0**	**35,906**
	Transfer from line 20		4,699
	Transfer from line 21		31,207
28	**ADVANCED SPACECRAFT TECHNOLOGY**	**0**	**87,768**
	Transfer from line 19		57,268
	Program increase - ground-based interferometry		6,500
	Program increase - modular satellite power systems		4,000
	Program increase - upper stage engine technology		20,000
29	**MAUI SPACE SURVEILLANCE SYSTEM (MSSS)**	**0**	**12,090**
	Transfer from line 20		12,090
30	**HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT**	**0**	**31,725**
	Transfer from line 17		10,777
	Transfer from line 20		20,948
31	**CONVENTIONAL WEAPONS TECHNOLOGY**	**0**	**134,145**
	Transfer from line 21		134,145
32	**ADVANCED WEAPONS TECHNOLOGY**	**0**	**31,445**
	Transfer from line 21		31,445

R-1		Budget Request	Final Bill
33	**MANUFACTURING TECHNOLOGY PROGRAM**	**0**	**139,001**
	Transfer from line 17		40,401
	Program increase - hybrid manufacturing for rapid tooling and repair		5,000
	Program increase - cost reduction for aerospace composite structures		10,000
	Program increase - technologies to repair fastener holes		5,000
	Program increase - flexible thermal protection systems for hypersonics		10,000
	Program increase - modeling technology for small turbine engines		7,000
	Program increase - alternative domestic rubber production		5,000
	Program increase - large scale additive manufacturing for hypersonics		6,000
	Program increase - manufacturing readiness for hypersonic propulsion systems		10,000
	Program increase - manufacturing technology for reverse engineering		5,000
	Program increase - thermoplastic material systems		7,000
	Program increase - automated fiber placement for composite structures		5,000
	Program increase - F-35 battery technology		9,600
	Program increase - hypersonic manufacturing capability and supply		6,000
	Program increase - low cost manufacturing methods for hypersonic vehicle components		8,000
34	**BATTLESPACE KNOWLEDGE DEV/DEMO**	**0**	**63,221**
	Transfer from line 20		29,201
	Transfer from line 21		19,020
	Program increase - assured communication and networks		10,000
	Program increase - command and control capability development		5,000
43	**AIR FORCE WEATHER SERVICES RESEARCH**	**869**	**2,238**
	Program increase - drought warning system		1,369
44	**ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS)**	**302,323**	**158,782**
	Unjustified growth		-50,000
	Poor justification materials		-15,000
	Digital architecture forward financing		-1,825
	Sensor integration forward financing		-10,650
	Data forward financing		-5,603
	Secure processing forward financing		-18,148
	Connectivity forward financing		-11,102
	Apps forward financing		-4,996
	Effects integration forward financing		-2,743
	Onramps forward financing		-23,474
45	**ADVANCED ENGINE DEVELOPMENT**	**636,495**	**666,495**
	Program increase		30,000
47	**DIRECTED ENERGY PROTOTYPING**	**20,964**	**19,464**
	Support costs forward financing		-1,500
48	**HYPERSONICS PROTOTYPING**	**381,862**	**386,862**
	Program increase - chemical vapor infiltration capabilities		5,000

R-1		Budget Request	Final Bill
51	**NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) RECAP**	**76,417**	**59,498**
	Management services unjustified growth		-2,635
	Acquisition strategy		-14,284
52	**TECHNOLOGY TRANSFER**	**3,011**	**17,011**
	Program increase - academic partnership intermediary agreement tech transfer		10,000
	Program increase - technology partnerships		4,000
56	**TECH TRANSITION PROGRAM**	**219,252**	**306,502**
	Experimentation		-20,000
	Additional prototyping acquisition strategy		-50,000
	Program increase - massive area additive manufacturing		10,000
	Program increase - additive manufacturing for metals		10,000
	Program increase - cold spray and directed energy deposition		6,000
	Program increase - low-cost attritable aircraft technology		50,000
	Program increase - arctic communications		50,000
	Program increase - autonomous air combat operations		5,000
	Program increase - heavy payload solar powered UAS JCTD		15,000
	Program increase - logistics technologies		8,750
	Program increase - small business research for rocket technology		2,500
56A	**RAPID SUSTAINMENT MODERNIZATION**	**0**	**20,000**
	Program increase - rapid sustainment office		20,000
57	**GROUND BASED STRATEGIC DETERRENT**	**1,524,759**	**1,449,759**
	Excess to need		-60,000
	Planning and design acquisition strategy		-15,000
59	**NEXT GENERATION AIR DOMINANCE**	**1,044,089**	**904,089**
	Development efforts forward financing		-140,000
66	**CYBER OPERATIONS TECHNOLOGY DEVELOPMENT**	**259,823**	**234,823**
	Prior year carryover		-25,000
66A	**CCSO TECH DEVELOPMENT**	**0**	**20,000**
	Program increase - cyber kinetic combat environment		20,000
68	**C-32 EXECUTIVE TRANSPORT RECAPITALIZATION**	**9,908**	**6,208**
	Prior year carryover		-3,700
69	**CONTRACTING INFORMATION TECHNOLOGY SYSTEM**	**8,662**	**5,672**
	Unjustified increase		-2,990
74	**SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)**	**8,787**	**0**
	Transfer to RDTE,SF line 6		-8,787
77	**SPACE SECURITY AND DEFENSE PROGRAM**	**56,311**	**0**
	Transfer to RDTE,SF line 11A		-56,311

R-1	Budget Request	Final Bill
82 FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS	25,161	22,936
Forward financing		-2,225
84 NUCLEAR WEAPONS SUPPORT	35,033	26,105
Nuclear weapon system technology and integration forward financing		-4,670
Nuclear weapons support forward financing		-2,273
Nuclear weapons support prior year carryover		-1,985
86 TACTICAL DATA NETWORKS ENTERPRISE	131,909	121,409
Family of gateways acquisition strategy		-10,500
88 SMALL DIAMETER BOMB (SDB) - EMD	17,280	0
Air Force requested transfer to line 194A		-17,280
92 AGILE COMBAT SUPPORT	20,609	19,015
Technology transfer planning execution delays		-1,594
93 JOINT DIRECT ATTACK MUNITION	7,926	6,818
PMA unjustified program growth		-1,108
94 LIFE SUPPORT SYSTEMS	23,660	28,660
Program increase - pilot physiological monitoring and alerting system		5,000
95 COMBAT TRAINING RANGES	8,898	23,898
Program increase - training range instrumentation		15,000
97 LONG RANGE STANDOFF WEAPON	474,430	385,430
TMRR funding excess to need		-89,000
98 ICBM FUZE MODERNIZATION	167,099	156,979
Forward financing		-10,120
107 STAND IN ATTACK WEAPON	160,438	150,646
F-35 integration forward financing		-9,792
111 KC-46A TANKER SQUADRONS	106,262	76,162
Forward financing		-21,900
Unjustified program growth		-8,200
116 AF A1 SYSTEMS	8,467	7,467
Management services		-1,000
137 ACQUISITION WORKFORCE - GLOBAL POWER	0	271,276
Transfer from line 142		273,231
Civilian pay prior year carryover		-1,955
138 ACQUISITION WORKFORCE - GLOBAL VIGILANCE AND COMBAT SYSTEMS	0	255,233
Transfer from line 142		262,119
Civilian pay prior year carryover		-6,886

R-1	Budget Request	Final Bill
139 ACQUISITION WORKFORCE - GLOBAL REACH	0	158,429
Transfer from line 142		158,429
140 ACQUISITION WORKFORCE - CYBER, NETWORK, AND BUSINESS SYSTEMS	0	255,162
Transfer from line 142		247,468
Civilian pay prior year carryover		-766
Overestimation of projected civilian positions		-12,540
Program increase - business enterprise systems product innovation		21,000
141 ACQUISITION WORKFORCE - GLOBAL BATTLE MANAGEMENT	0	177,811
Transfer from line 142		183,107
Civilian pay prior year carryover		-3,898
Overestimation of projected civilian positions		-1,398
142 ACQUISITION WORKFORCE - CAPABILITY INTEGRATION	1,362,038	219,868
Global Power transfer to line 137		-273,231
Global Vigilance transfer to line 138		-262,119
Global Reach transfer to line 139		-158,429
Cyber, Network, and Business Systems transfer to line 140		-247,468
Global Battle Management transfer to line 141		-183,107
Advanced Program Technology transfer to line 143		-17,816
143 ACQUISITION WORKFORCE - ADVANCED PROGRAM TECHNOLOGY	40,768	58,584
Transfer from line 142		17,816
148 REQUIREMENTS ANALYSIS AND MATURATION	63,381	68,381
Program increase - nuclear modernization analytics		5,000
150 COMMAND, CONTROL, COMMUNICATION, AND COMPUTERS (C4) - STRATCOM	24,564	21,564
Modeling and simulation and enterprise data environment development - lack of justification		-3,000
163 SPECIALIZED UNDERGRADUATE FLIGHT TRAINING (SUFT)	8,777	11,577
Program increase - PRIME DTS		2,800
165 F-35 C2D2	785,336	697,140
Program increase - F-35 JASSM integration		10,000
Air vehicle - technology refresh 3	[125,895]	[125,895]
Air vehicle block 4 planning and sys eng	[236,811]	[207,814]
Unjustified growth in phase II efforts		-28,997
Test and evaluation	[156,437]	[156,437]
Propulsion	[25,135]	[25,135]
Maintenance systems / ALIS development	[40,151]	[23,151]
Acquisition strategy for ALIS LM efforts		-17,000
Combat data systems	[47,446]	[47,446]
Training systems and simulation	[72,783]	[47,783]
Unjustified growth		-25,000
Infrastructure and support costs	[48,797]	[24,087]
Forward financing of fixed JPO support		-14,213
Fixed JPO support		-10,497
DevSecOps	[4,400]	[4,400]
Statutory reductions	[27,481]	[24,992]
Unjustified program growth in statutory reductions		-2,489

R-1	Budget Request	Final Bill
167 ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENT	**50,508**	**47,193**
Lack of prior year execution data		-3,315
169 HC/MC-130 RECAP RDT&E	**24,705**	**19,527**
Acquisition strategy of block 8.X		-3,066
Forward financing		-2,112
171 ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES	**0**	**3,000**
Program increase - ransomware response exercise		3,000
172 B-52 SQUADRONS	**520,023**	**483,623**
ATP display upgrade delay		-5,000
RMP MSB slip		-10,900
CERP excess to need		-25,500
Program increase - global strike innovation hub		5,000
175 B-2 SQUADRONS	**187,399**	**181,399**
Prior year carryover		-11,000
Program increase - training modernization		5,000
176 MINUTEMAN SQUADRONS	**116,569**	**89,469**
Concurrency of FT3 development		-25,600
APT-R schedule slip		-1,500
177 WORLDWIDE JOINT STRATEGIC COMMUNICATIONS	**27,235**	**31,223**
Program increase - NC3 architecture development		8,000
Delay in test events		-4,012
181 UH-1N REPLACEMENT PROGRAM	**44,464**	**41,464**
A&AS unjustified program growth		-3,000
182 REGION/SECTOR OPERATION CONTROL CENTER MODERNIZATION PROGRAM	**5,929**	**10,724**
Air Force requested transfer from OP,AF line 33		4,795
184 MQ-9 UAV	**162,080**	**107,080**
Tech insertion request unjustified		-9,968
Acquisition strategy		-45,032
187 F-16 SQUADRONS	**223,437**	**202,868**
AIFF Mode 5 - Air Force requested transfer from AP,AF line 30		9,868
DRWR forward financing		-22,000
AESA JEON prior year carryover		-8,437
188 F-15E SQUADRONS	**298,908**	**288,908**
IRST carryover		-10,000
191 F-35 SQUADRONS	**132,229**	**114,830**
BPAC 676011 unjustified growth		-17,399
194A SMALL DIAMETER BOMB (SDB)	**0**	**20,780**
Air Force requested transfer from line 88		17,280
Program increase - precise navigation		3,500

R-1		Budget Request	Final Bill
199	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	95,896	125,896
	Program increase		30,000
203	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS)	138,303	124,151
	CID inconsistent budget justification		-6,000
	EP Phase 1A excess to need		-8,152
219	TACTICAL DECEPTION	2,370	0
	Non-kinetic air base defense forward financing		-2,370
222	AF DEFENSIVE CYBERSPACE OPERATIONS	15,165	30,165
	Program increase - critical infrastructure cyber security		15,000
238	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS	2,904	1,404
	TAC OPIR processing forward financing		-1,500
240	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN)	61,887	44,722
	CVR increment 2 schedule delays		-2,950
	Acquisition strategy for GASNT inc 2		-14,215
255	WEATHER SERVICE	23,640	36,640
	Program increase - commercial weather data pilot		10,000
	Program increase - research on atmospheric rivers		3,000
265	DRAGON U-2	18,660	36,660
	Air Force requested transfer from line 267		18,000
267	AIRBORNE RECONNAISSANCE SYSTEMS	121,512	123,512
	Air Force requested transfer to line 265		-18,000
	Program increase - sensor open systems architecture		10,000
	Program increase - wide area motion imagery		10,000
270	RQ-4 UAV	134,589	163,589
	Program increase - RQ-4 block 40 waypoint modification capability		29,000
274	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND ARCHITECTURES	13,635	17,315
	Program increase - Pacific deterrence initiative - mission partner environment BICES-X project 675898		3,680
279	C-5 AIRLIFT SQUADRONS	32,560	30,560
	PMA unjustified program growth		-2,000
291	LOGISTICS INFORMATION TECHNOLOGY (LOGIT)	35,225	33,247
	Unjustified growth		-1,978
300	DEFENSE ENTERPRISE ACNTNG AND MGT SYS	45,638	40,638
	Delay in product development		-5,000

R-1	Budget Request	Final Bill
301 GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	1,889	0
Transfer to RD,SF line 26		-1,889
314 SPACE SUPERIORITY INTELLIGENCE	16,810	0
Transfer to RD,SF line 41B		-16,810
316 NATIONAL SPACE DEFENSE CENTER	2,687	0
Transfer to RD,SF line 41A		-2,687
318 NCMC - TW/AA SYSTEM	6,990	0
Transfer to RDTE,SF line 41C		-6,990
999 CLASSIFIED PROGRAMS	15,777,856	15,030,480
Classified adjustment		-747,376
UNDISTRIBUTED REDUCTION - EXCESS TO NEED	0	-48,603

LOW-COST ATTRITABLE AIRCRAFT TECHNOLOGY AND SKYBORG

The agreement includes an additional $50,000,000 above the fiscal year 2021 request to conduct prototyping necessary to transition the Low-Cost Attritable Aircraft Technology (LCAAT) demonstrator aircraft system into a fully operational capability, along with other associated LCAAT and Skyborg efforts. The Secretary of the Air Force is directed to submit to the congressional defense committees, not later than 90 days after the enactment of this Act, a spend plan for this additional funding as well as funding for LCAAT and Skyborg efforts in the underlying fiscal year 2021 budget request. This language replaces the language under the heading ''Skyborg and Low-Cost Attritable Aircraft Technology'' in House Report 116–453.

PROGRAM ELEMENT CONSOLIDATION

The agreement rejects the Air Force proposal to consolidate multiple program elements into a few larger program elements that would provide unprecedented programmatic and fiscal flexibility and recommends retaining the existing program element budget structure. The agreement supports the creation of the Future Air Force Integrated Technology Demonstration program element as it provides clarity and transparency for the Air Force Vanguard programs. The Assistant Secretary of the Air Force (Financial Management and Comptroller) is directed to follow this budget structure in future budget submissions until changes are agreed to by the House and Senate Appropriations Committees.

ACQUISITION WORKFORCE

The Secretary of the Air Force is directed to include, with the submission of the fiscal year 2022 President's budget request, the following data for each Research, Development, Test and Evaluation, Air Force line item that contains civilian pay: the number of civilian full time equivalents, total compensation and benefits, and average salary. For each type of data, the Secretary of the Air Force is also directed to include the actual amounts for the previous fiscal year, the enacted amounts for the current fiscal year, and the requested amount in the fiscal year 2022 President's budget request.

ADVANCED BATTLE MANAGEMENT SYSTEM

The agreement includes $158,782,000 for Advanced Battle Management System (ABMS) to allow for continued program progress. The Assistant Secretary of the Air Force (Acquisition, Technology and Logistics) is directed to provide, with the fiscal year 2022 President's budget request, the ABMS acquisition strategy; in addition, the Assistant Secretary of the Air Force (Financial Management and Comptroller) is directed to certify that the fiscal year 2022 President's budget fully funds this acquisition strategy.

Further, with the submission of the fiscal year 2022 budget request, the Secretary of the Air Force is directed to submit a report summarizing all related programs in communications, battle management command and control, and sensors that fall within the ABMS umbrella across the future years defense program. The report should reference program element funding lines and clearly link all activities with funding lines in the fiscal year 2022 budget justification documents. It should also clearly articulate all phase one efforts, including initial operational capability timelines, the status of related legacy activities, and linkages to classified activities. This report may be submitted with a classified annex if necessary.

GROUND BASED STRATEGIC DETERRENT

As part of its fiscal year 2021 President's budget request, the Air Force provided a legislative proposal to carry out construction activities associated with the recapitalization of the Nation's ground based nuclear missile systems. The legislative proposal for the Ground Based Strategic Deterrent program, as envisioned, would allow for the use of research, development, test and evaluation funding for planning and design activities and would utilize procurement funding in lieu of military construction funding to replace both the existing launch control and launch facilities.

While there could be schedule risks in using a traditional military construction approach, the legislative proposal is not the only option. The agreement supports efforts to group projects whether by installation, air wing, or other grouping and expects the Air Force to designate a way forward for ease of management and execution. The agreement also supports efforts to utilize an approach where the single prime vendor may be designated to execute military construction projects in coordination with the Army Corps of Engineers. Due to the scale of this endeavor and the importance of maintaining nuclear deterrence, the Secretary of the Air Force is directed to designate a senior leader to plan, coordinate, and execute the military construction, research, development, test and evaluation, and procurement functions with the ability to impact each appropriation as required. Finally, the Secretary of the Air Force is directed to submit to the House and Senate Appropriations Committees, not later than 180 days after the enactment of this Act, a detailed report outlining the replacement plan for the launch control and launch facilities while maintaining the required readiness posture.

USE OF RESEARCH, DEVELOPMENT, TEST AND EVALUATION APPROPRIATIONS

The fiscal year 2021 President's budget request includes $15,000,000 in Research, Development, Test and Evaluation, Air Force funding to be used as planning and design for construction associated with the Ground Based Strategic Deterrent program. The agreement does not support this use of research and development funds, nor the associated legislative proposals, and reduces the budget request accordingly. Further, the agreement directs that none of the funds appropriated in this Act for research, development, test and evaluation may be used for military construction activities, unless expressly allowed in this Act.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, SPACE FORCE

The agreement provides $10,540,069,000 for Research, Development, Test and Evaluation, Space Force, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, SPACE FORCE		
	APPLIED RESEARCH		
1	SPACE TECHNOLOGY	130,874	216,874
	TOTAL, APPLIED RESEARCH	130,874	216,874
	COMPONENT DEVELOPMENT & PROTOTYPES		
2	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)	390,704	380,704
3	EO/IR WEATHER SYSTEMS	131,000	131,000
4	WEATHER SYSTEM FOLLOW-ON	83,384	83,384
5	SPACE SITUATION AWARENESS SYSTEM	33,359	33,359
6	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)	142,808	151,595
7	SPACE CONTROL TECHNOLOGY	35,575	40,575
8	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)	114,390	109,390
9	PROTECTED TACTICAL SERVICE (PTS)	205,178	200,178
10	EVOLVED STRATEGIC SATCOM (ESS)	71,395	71,395
11	SPACE RAPID CAPABILITIES OFFICE	103,518	108,518
11A	SPACE SECURITY AND DEFENSE PROGRAMS (SSDP)	---	56,311
	TOTAL, COMPONENT DEVELOPMENT & PROTOTYPES	1,311,311	1,366,409
	SYSTEM DEVELOPMENT & DEMONSTRATION		
12	GPS III FOLLOW-ON (GPS IIF)	263,496	285,496
13	SPACE SITUATION AWARENESS OPERATIONS	41,897	36,897
14	COUNTERSPACE SYSTEMS	54,689	57,189
15	WEATHER SYSTEM FOLLOW-ON	2,526	2,526
16	SPACE SITUATION AWARENESS SYSTEMS	173,074	173,074
17	ADVANCED EHF MILSATCOM (SPACE)	138,257	90,045
17A	COMMERCIAL SATCOM	---	43,212
18	POLAR MILSATCOM (SPACE)	190,235	190,235
19	NEXT GENERATION OPIR	2,318,864	2,318,864
20	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE) - EMD	560,978	550,978
	TOTAL, SYSTEM DEVELOPMENT & DEMONSTRATION	3,744,016	3,748,516
	RDT&E MANAGEMENT SUPPORT		
21	SPACE TEST AND TRAINING RANGE DEVELOPMENT	20,281	20,281
22	ACQ WORKFORCE - SPACE & MISSILE SYSTEMS	183,930	183,930
23	SPACE & MISSILE SYSTEMS CENTER - MHA	9,765	9,765

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
24	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE)	17,993	17,993
24A	TACTICALLY RESPONSIVE LAUNCH	---	15,000
25	SPACE TEST PROGRAM (STP)	26,541	26,541
	TOTAL, RDT&E MANAGEMENT SUPPORT	258,510	273,510
	OPERATIONAL SYSTEMS DEVELOPMENT		
26	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)	3,708	5,597
27	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)	247,229	232,229
28	SATELLITE CONTROL NETWORK (SPACE)	75,480	60,480
29	NAVSTAR GLOBAL POSITIONING SYSTEM (SPACE AND CONTROL SEGMENTS)	1,984	1,984
30	SPACE AND MISSILE TEST EVALUATION CENTER	4,397	4,397
31	SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT	44,746	38,746
32	SPACELIFT RANGE SYSTEM (SPACE)	11,020	21,020
33	GPS III SPACE SEGMENT	10,777	10,777
34	BALLISTIC MISSILE DEFENSE RADARS	28,179	28,179
35	NUDET DETECTION SYSTEM (SPACE)	29,157	29,157
36	SPACE SITUATION AWARENESS OPERATIONS	44,809	69,809
37	GLOBAL POSITIONING SYSTEM III - OPERATIONAL CONTROL SEGMENT	481,999	481,999
41	ENTERPRISE GROUND SERVICES	116,791	116,791
41A	NATIONAL SPACE DEFENSE CENTER (NSDC)	---	2,687
41B	SPACE SUPERIORITY INTELLIGENCE (SSI)	---	16,810
41C	NCMC – TW/AA SYSTEM	---	6,990
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,100,276	1,127,652
999	CLASSIFIED PROGRAMS	3,632,866	3,657,366
42	JPSOC MISSION SYSTEM	149,742	149,742
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, SPACE FORCE	10,327,595	10,540,069

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Final Bill
1	**SPACE TECHNOLOGY**	**130,874**	**216,874**
	Program increase - thin-film photovoltaic energy		7,000
	Program increase - hybrid space architecture		10,000
	Program increase - resilient solar power		3,000
	Program increase - ultra-lightweight solar arrays		15,000
	Program increase - link-16 space experiment		9,000
	Program increase - advanced space power systems		7,000
	Program increase - digital engineering for future space operations		5,000
	Program increase - laser communications		12,000
	Program increase - lithium-sulfur battery development		5,000
	Program increase - small satellite mission control facility		6,000
	Program increase - operational cryogenic upper stage augmentation kit		7,000
2	**NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIPMENT) (SPACE)**	**390,704**	**380,704**
	Maritime/ground card integration prior year carryover		-10,000
6	**SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT)**	**142,808**	**151,595**
	Transfer from RDTE,AF line 74		8,787
7	**SPACE CONTROL TECHNOLOGY**	**35,575**	**40,575**
	Program increase - high-thrust gridded ion engine		5,000
8	**PROTECTED TACTICAL ENTERPRISE SERVICE (PTES)**	**114,390**	**109,390**
	Unjustified increase		-5,000
9	**PROTECTED TACTICAL SERVICE (PTS)**	**205,178**	**200,178**
	Management services unjustified increase		-5,000
11	**SPACE RAPID CAPABILITIES OFFICE**	**103,518**	**108,518**
	Program increase - University Affiliated Research Center for space technology and capability integration		5,000
11A	**SPACE SECURITY AND DEFENSE PROGRAMS (SSDP)**	**0**	**56,311**
	Transfer from RDTE,AF line 77		56,311
12	**GPS III FOLLOW-ON (GPS IIIF)**	**263,496**	**285,496**
	Prior year carryover		-8,000
	Program increase - Navigation Technology Satelllite-3 payload and launch		30,000
13	**SPACE SITUATION AWARENESS OPERATIONS**	**41,897**	**36,897**
	Contract award delay		-5,000
14	**COUNTERSPACE SYSTEMS**	**54,689**	**57,189**
	Program increase - Bounty Hunter expansion		2,500
17	**ADVANCED EHF MILSATCOM (SPACE)**	**138,257**	**90,045**
	Program delays		-5,000
	Fighting SATCOM - transfer to line 17A		-43,212

R-1		Budget Request	Final Bill
17A	**COMMERCIAL SATCOM**	**0**	**43,212**
	Fighting SATCOM - transfer from line 17		43,212
20	**NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE) - EMD**	**560,978**	**550,978**
	LSA award adjustment		-100,000
	Program increase - next generation rocket engine testing		15,000
	Program increase - upper stage resiliency enhancements		75,000
24A	**TACTICALLY RESPONSIVE LAUNCH**	**0**	**15,000**
	Program increase		15,000
26	**GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN)**	**3,708**	**5,597**
	Transfer from RDTE,AF line 301		1,889
27	**FAMILY OF ADVANCED BLOS TERMINALS (FAB-T)**	**247,229**	**232,229**
	PNVC Integrator underexecution		-5,000
	FAB-T FET underexecution		-10,000
28	**SATELLITE CONTROL NETWORK (SPACE)**	**75,480**	**60,480**
	Underexecution		-15,000
31	**SPACE INNOVATION, INTEGRATION AND RAPID TECHNOLOGY DEVELOPMENT**	**44,746**	**38,746**
	Prior year carryover		-6,000
32	**SPACELIFT RANGE SYSTEM (SPACE)**	**11,020**	**21,020**
	Program increase - space launch services and capability		10,000
36	**SPACE SITUATION AWARENESS OPERATIONS**	**44,809**	**69,809**
	Program increase - commercial space domain awareness		25,000
41A	**NATIONAL SPACE DEFENSE CENTER (NSDC)**	**0**	**2,687**
	Transfer from RDTE,AF line 316		2,687
41B	**SPACE SUPERIORITY INTELLIGENCE (SSI)**	**0**	**16,810**
	Transfer from RDTE,AF line 314		16,810
41C	**NCMC - TW/AA SYSTEM**	**0**	**6,990**
	Transfer from RDTE,AF line 318		6,990
999	**CLASSIFIED PROGRAMS**	**3,632,866**	**3,657,366**
	Classified adjustment		24,500

EVOLVED STRATEGIC SATCOM

The agreement notes concerns about changes to the Evolved Strategic SATCOM (ESS) acquisition plan and directs the Secretary of the Air Force to provide to the congressional defense committees, not later than 120 days after the enactment of this Act, an assessment of the potential for a strategic communications gap beginning in 2030. The assessment shall include a detailed explanation of the ESS acquisition plan, functional availability analysis, consideration of the potential strategic communication needs of other programs such as Next Generation Overhead Persistent Infrared, new ESS program cost estimates, and if necessary, gap mitigation strategies.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION, DEFENSE-WIDE

The agreement provides $25,932,671,000 for Research, Development, Test and Evaluation, Defense-Wide, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE		
	BASIC RESEARCH		
1	DTRA UNIVERSITY STRATEGIC PARTNERSHIP BASIC RESEARCH..	14,617	14,617
2	DEFENSE RESEARCH SCIENCES.....	479,958	475,958
3	BASIC RESEARCH INITIATIVES.....	35,565	75,565
4	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE.....	53,730	53,730
5	NATIONAL DEFENSE EDUCATION PROGRAM.....	100,241	137,241
6	HISTORICALLY BLACK COLLEGES & UNIV (HBCU).....	30,975	81,300
7	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	45,300	50,300
	TOTAL, BASIC RESEARCH.....	760,386	888,711
	APPLIED RESEARCH		
8	JOINT MUNITIONS TECHNOLOGY.....	19,409	24,409
9	BIOMEDICAL TECHNOLOGY.....	107,568	107,568
11	DEFENSE TECHNOLOGY INNOVATION.....	35,000	17,500
12	LINCOLN LABORATORY RESEARCH PROGRAM.....	41,080	41,080
13	APPLIED RESEARCH FOR ADVANCEMENT S&T PRIORITIES.....	60,722	53,400
14	INFORMATION AND COMMUNICATIONS TECHNOLOGY.....	435,920	420,920
15	BIOLOGICAL WARFARE DEFENSE.....	26,950	26,950
16	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	201,807	201,807
17	CYBER SECURITY RESEARCH.....	15,255	25,255
18	TACTICAL TECHNOLOGY.....	233,271	237,271
19	MATERIALS AND BIOLOGICAL TECHNOLOGY.....	250,107	245,107
20	ELECTRONICS TECHNOLOGY.....	322,693	322,693
21	WEAPONS OF MASS DESTRUCTION DEFEAT TECHNOLOGIES.....	174,571	174,571
22	SOFTWARE ENGINEERING INSTITUTE.....	9,573	9,573
23	SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT.....	42,464	49,464
	TOTAL, APPLIED RESEARCH.....	1,976,390	1,957,568
	ADVANCED TECHNOLOGY DEVELOPMENT		
24	JOINT MUNITIONS ADVANCED TECH INSENSITIVE MUNITIONS AD	22,920	22,920
25	SO/LIC ADVANCED DEVELOPMENT.....	4,914	4,914
26	COMBATING TERRORISM TECHNOLOGY SUPPORT.....	51,089	125,589
27	FOREIGN COMPARATIVE TESTING.....	25,183	25,183
29	COUNTERPROLIFERATION INITIATIVES--PROLIF PREV & DEFEAT	366,659	356,659
30	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT.....	14,910	49,410

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
32	ADVANCED RESEARCH	18,687	33,687
33	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,873	18,873
34	ADVANCED AEROSPACE SYSTEMS	230,978	223,478
35	SPACE PROGRAMS AND TECHNOLOGY	158,439	151,439
36	ANALYTIC ASSESSMENTS	23,775	19,775
37	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS	36,524	28,524
38	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS - MHA	14,703	14,703
39	COMMON KILL VEHICLE TECHNOLOGY	11,058	11,058
40	DEFENSE MODERNIZATION AND PROTOTYPING	133,375	155,573
42	DEFENSE INNOVATION UNIT	26,141	35,641
43	TECHNOLOGY INNOVATION	27,709	27,709
44	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEV	188,001	191,001
45	RETRACT LARCH	130,283	130,283
46	JOINT ELECTRONIC ADVANCED TECHNOLOGY	15,164	15,164
47	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS	85,452	71,452
48	NETWORKED COMMUNICATIONS CAPABILITIES	5,882	5,882
49	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROG	93,817	245,817
50	MANUFACTURING TECHNOLOGY PROGRAM	40,025	64,025
52	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS	10,235	15,235
53	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM	53,862	85,462
54	MICROELECTRONIC TECHNOLOGY DEVELOPMENT AND SUPPORT	124,049	136,049
55	JOINT WARFIGHTING PROGRAM	3,871	3,871
56	ADVANCED ELECTRONICS TECHNOLOGIES	95,864	95,864
57	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	221,724	221,724
58	NETWORK-CENTRIC WARFARE TECHNOLOGY	661,158	641,158
59	SENSOR TECHNOLOGY	200,220	190,220
60	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT	6,765	6,765
61	SOFTWARE ENGINEERING INSTITUTE	12,598	12,598
64	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM	105,410	112,910

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
65	TEST & EVALUATION SCIENCE & TECHNOLOGY	187,065	178,565
66	NATIONAL SECURITY INNOVATION NETWORK	---	40,000
67	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT	---	16,000
70	SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT	89,072	96,958
71	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT	72,422	72,422
	TOTAL, ADVANCED TECHNOLOGY DEVELOPMENT	3,588,876	3,954,560
	DEMONSTRATION & VALIDATION		
72	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	32,636	32,636
73	WALKOFF	106,529	101,529
75	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM	61,345	73,345
76	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT	412,627	310,127
77	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT	1,004,305	1,221,261
78	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	76,167	76,167
79	BALLISTIC MISSILE DEFENSE SENSORS	281,957	265,803
80	BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS	599,380	612,380
81	SPECIAL PROGRAMS - MDA	420,216	390,216
82	AEGIS BMD	814,936	877,336
83	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT	593,353	643,556
84	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT	49,560	49,560
85	BALLISTIC MISSILE DEFENSE INTERGRATION AND OPERATIONS CENTER (MDIOC)	55,356	55,356
86	REGARDING TRENCH	11,863	11,863
87	SEA BASED X-BAND RADAR (SBX)	118,318	118,318
88	ISRAELI COOPERATIVE PROGRAMS	300,000	300,000
89	BALLISTIC MISSILE DEFENSE TEST	378,302	363,302
90	BALLISTIC MISSILE DEFENSE TARGETS	536,133	536,133
92	COALITION WARFARE	10,129	10,129
93	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G)	449,000	430,000
94	DEPARTMENT OF DEFENSE CORROSION PROGRAM	3,325	5,325
95	TECHNOLOGY MATURATION INITIATIVES	67,389	109,389
98	HYPERSONIC DEFENSE	206,832	272,632
99	ADVANCED INNOVATIVE TECHNOLOGIES	730,508	749,508
100	TRUSTED AND ASSURED MICROELECTRONICS	489,076	504,076
101	RAPID PROTOTYPING PROGRAM	102,023	92,023

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
102	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING	13,255	31,255
103	DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT	2,787	7,087
105	HOMELAND DEFENSE RADAR-HAWAII	---	133,000
107	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA)	3,469	3,469
109	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY	19,190	19,190
110	LONG RANGE DISCRIMINATION RADAR	137,256	137,256
111	IMPROVED HOMELAND DEFENSE INTERCEPTORS	664,138	858,138
112	BMD TERMINAL DEFENSE SEGMENT TEST	7,768	1,000
113	AEGIS BMD TEST	170,880	71,498
114	BALLISTIC MISSILE DEFENSE SENSOR TEST	76,456	64,245
115	LAND-BASED SM-3 (LBSM3)	56,628	56,628
116	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT TEST	67,071	67,071
118	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS	2,198	2,198
119	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	997	997
120	CYBER SECURITY INITIATIVE	1,148	1,148
121	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	215,994	194,694
122	SPACE TRACKING AND SURVEILLANCE SYSTEM	34,144	34,144
123	BALLISTIC MISSILE DEFENSE SYSEM SPACE PROGRAMS	32,068	162,068
	TOTAL, DEMONSTRATION & VALIDATION	9,416,712	10,057,056
	ENGINEERING & MANUFACTURING DEVELOPMENT		
124	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT	7,173	7,173
125A	JOINT HYPERSONICS TRANSITION OFFICE	---	90,000
126	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	319,976	356,472
127	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	54,985	51,318
128	WEAPONS OF MASS DESTRUCTION DEFEAT CAPABILITIES	15,650	15,650
129	INFORMATION TECHNOLOGY DEVELOPMENT	1,441	1,441
130	HOMELAND PERSONNEL SECURITY INITIATIVE	7,287	7,287
131	DEFENSE EXPORTABILITY PROGRAM	12,928	12,928
132	OUSD(C) IT DEVELOPMENT INITIATIVES	10,259	10,259
133	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEMONSTRATION	1,377	1,377
134	DCMO POLICY AND INTEGRATION	1,648	1,618
135	DEFENSE AGENCY INITIATIVES FINANCIAL SYSTEM	20,537	20,537
136	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	1,638	1,638

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
137	MISSION ASSURANCE RISK MANAGEMENT SYSTEM (MARMS).....	5,500	5,500
138	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILITIES.....	8,279	8,279
139	TRUSTED & ASSURED MICROELECTRONICS.....	107,585	107,585
140	NUCLEAR COMMAND, CONTROL, & COMMUNICATIONS.....	3,685	3,685
143	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEIM)...	3,275	3,275
144	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEMONSTRATION....	20,585	20,585
	TOTAL, ENGINEERING & MANUFACTURING DEVELOPMENT.....	603,808	726,607
	RDT&E MANAGEMENT SUPPORT		
145	JOINT CAPABILITY EXPERIMENTATION.....	11,239	11,239
146	DEFENSE READINESS REPORTING SYSTEM (DRRS).....	9,793	9,793
147	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT.....	8,497	8,497
148	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOPMENT....	422,451	423,501
149	ASSESSMENTS AND EVALUATIONS.....	18,379	18,379
150	MISSION SUPPORT.....	74,334	74,334
151	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC).....	79,046	79,046
153	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANIZATION.	50,255	50,255
154	USD (P) PROGRAMS.....	---	110,000
155	SYSTEMS ENGINEERING.....	49,376	45,626
156	STUDIES AND ANALYSIS SUPPORT.....	5,777	5,777
157	NUCLEAR MATTERS - PHYSICAL SECURITY.....	16,552	16,552
158	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION.....	9,582	9,582
159	GENERAL SUPPORT TO USD (INTELLIGENCE).....	1,940	7,940
160	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM.....	122,951	127,951
167	SMALL BUSINESS INNOVATION RESEARCH/TECHNOLOGY TRANSFER	3,582	3,582
168	MAINTAINING TECHNOLOGY ADVANTAGE.....	29,566	25,566
169	DEFENSE TECHNOLOGY ANALYSIS.....	29,059	23,359
170	DEFENSE TECHNICAL INFORMATION CENTER (DTIC).....	59,369	57,716
171	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING & EVALUATION	29,420	29,420
172	DEVELOPMENT TEST AND EVALUATION.....	27,198	27,198

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
173	MANAGEMENT HEADQUARTERS (RESEARCH & DEVELOPMENT)	13,434	13,434
174	MANAGEMENT HEADQUARTERS DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	2,837	2,837
175	BUDGET AND PROGRAM ASSESSMENTS	13,173	10,099
176	ODNA TECHNOLOGY AND RESOURCE ANALYSIS	3,200	3,200
177	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT	999	999
180	DEFENSE OPERATIONS SECURITY (OPSEC)	3,099	3,099
181	JOINT STAFF ANALYTICAL SUPPORT	3,058	3,058
182	C4I INTEROPERABILITY	59,813	59,813
185	INFORMATION SYSTEMS SECURITY PROGRAM	1,112	1,112
186	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES	545	545
187	DEFENSE MILITARY DECEPTION PROGRAM OFFICE	1,036	1,036
188	COMBINED ADVANCED APPLICATIONS	30,824	30,824
190	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	3,048	3,048
194	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION	31,125	31,125
195	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI)	100	100
196	MANAGEMENT HEADQUARTERS - MDA	26,902	26,902
197	JOINT SERVICE PROVIDER (JSP)	3,138	3,138
9999	CLASSIFIED PROGRAMS	41,583	41,583
	TOTAL, RDT&E MANAGEMENT SUPPORT	1,297,392	1,401,265
	OPERATIONAL SYSTEMS DEVELOPMENT		
199	ENTERPRISE SECURITY SYSTEM (ESS)	14,378	14,378
200	JOINT ARTIFICIAL INTELLIGENCE	132,058	137,058
201	REGIONAL INTERNATIONAL OUTREACH & PARTNERSHIP FOR PEAC	1,986	1,986
202	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SY	316	316
203	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	9,151	172,151
204	OPERATIONAL SYSTEMS DEVELOPMENT	19,082	16,966
205	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT	3,992	3,992
206	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS D	39,530	39,530
207	PLANNING AND DECISION AID SYSTEM	3,039	3,039
212	DEFENSE INFO INFRASTRUCTURE ENGINEERING & INTEGRATION	16,324	16,324
213	LONG HAUL COMMUNICATIONS (DCS)	11,884	11,884
214	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK	5,560	5,560
215	KEY MANAGEMENT INFRASTRUCTURE (KMI)	73,356	73,356
216	INFORMATION SYSTEMS SECURITY PROGRAM	46,577	46,577

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
217	INFORMATION SYSTEMS SECURITY PROGRAM	356,713	394,713
218	INFORMATION SYSTEMS SECURITY PROGRAM	8,922	8,922
219	GLOBAL COMMAND AND CONTROL SYSTEM	3,695	3,695
220	JOINT SPECTRUM CENTER (DEFENSE SPECTRUM ORGANIZATION)	20,113	20,113
223	JOINT REGIONAL SECURITY STACKS (JRSS)	9,728	9,728
231	SECURITY AND INVESTIGATIVE ACTIVITIES	5,700	5,700
235	POLICY R&D PROGRAMS	7,144	6,301
236	NET CENTRICITY	21,793	21,793
238	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS	6,066	6,066
244	INSIDER THREAT	---	3,000
245	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM	2,190	2,190
252	LOGISTICS SUPPORT ACTIVITIES	1,654	1,654
253	PACIFIC DISASTER CENTERS	1,785	1,785
254	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM	7,301	7,301
256	MQ-9 UAV	21,265	21,265
258	AVIATION SYSTEMS	230,812	250,812
259	SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT	19,558	26,558
260	SOF OPERATIONAL ENHANCEMENTS	136,041	173,041
261	WARRIOR SYSTEMS	59,511	58,333
262	SPECIAL PROGRAMS	10,500	7,500
263	UNMANNED ISR	19,154	14,154
264	SOF TACTICAL VEHICLES	9,263	14,263
265	SOF MARITIME SYSTEMS	59,882	68,582
266	SOF GLOBAL VIDEO SURVEILLANCE ACTIVITIES	4,606	4,606
267	SOF OPERATIONAL ENHANCEMENTS INTELLIGENCE	11,612	11,612
268	SOF TELEPORT PROGRAM	3,239	3,239
	TOTAL, OPERATIONAL SYSTEMS DEVELOPMENT	1,415,480	1,690,043
999	CLASSIFIED PROGRAMS	4,746,466	4,809,068
269	NATIONAL BACKGROUND INVESTIGATION SERVICES - SOFTWARE PILOT PROGRAM	121,676	109,676
270	ACQUISITION VISIBILITY - SOFTWARE PILOT PROGRAM	16,848	16,848
271	GLOBAL COMMAND AND CONTROL SYSTEM	86,750	75,750
272	ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS - SOFTWARE PILOT PROGRAM	250,107	230,107
	UNDIST	---	15,000

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
UNDIST	---	10,000
UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-9,588
TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE-WIDE	24,280,891	25,932,671

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Final Bill
2	**DEFENSE RESEARCH SCIENCES**	**479,958**	**475,958**
	Excess program growth		-12,000
	Program increase - foundational artificial intelligence		5,000
	Program increase - alternative computing		3,000
3	**BASIC RESEARCH INITIATIVES**	**35,565**	**75,565**
	Minerva research initiative funding restoration		17,000
	Program increase - DEPSCOR		17,000
	Program increase - START research consortium		5,000
	Program increase - NAS study on confucious centers		1,000
5	**NATIONAL DEFENSE EDUCATION PROGRAM**	**100,241**	**137,241**
	Program increase - basic research		35,000
	Program increase - civics education		2,000
6	**HISTORICALLY BLACK COLLEGES & UNIVERSITIES (HBCU) AND MINORITY-SERVING INSTITUTIONS**	**30,975**	**81,300**
	Program increase		49,325
	Program increase - minority STEM recruitment and research		1,000
7	**CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM**	**45,300**	**50,300**
	Program increase - water jet technology		5,000
8	**JOINT MUNITIONS TECHNOLOGY**	**19,409**	**24,409**
	Program increase - advanced energetics for long range munitions		5,000
11	**DEFENSE TECHNOLOGY INNOVATION**	**35,000**	**17,500**
	Insufficient justification		-17,500
13	**APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRIORITIES**	**60,722**	**53,400**
	Excess growth		-7,322
14	**INFORMATION AND COMMUNICATIONS TECHNOLOGY**	**435,920**	**420,920**
	Excess program growth		-15,000
17	**CYBER SECURITY RESEARCH**	**15,255**	**25,255**
	Program increase - academic cyber institutes		10,000
18	**TACTICAL TECHNOLOGY**	**233,271**	**237,271**
	Program increase - counter-directed energy laser eye protection research		4,000
19	**MATERIALS AND BIOLOGICAL TECHNOLOGY**	**250,107**	**245,107**
	Unjustified increase		-5,000
23	**SPECIAL OPERATIONS TECHNOLOGY DEVELOPMENT**	**42,464**	**49,464**
	Program increase -sustained human performance and resilience		5,000
	Unjustified growth		-5,000
	Program increase - national consortium for the study of terrorism		7,000

R-1		Budget Request	Final Bill
26	**COMBATING TERRORISM TECHNOLOGY SUPPORT**	**51,089**	**125,589**
	Program increase - anti-tunneling		47,500
	Program increase - cooperative C-UAS development		25,000
	Program increase - EOD camera-based machine learning		2,000
29	**COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT**	**366,659**	**356,659**
	Program increase - strategic systems defeat		5,000
	Insufficient budget justification		-15,000
30	**ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT**	**14,910**	**49,410**
	Program increase - cyber operations		20,000
	Program increase - hypersonic kill vehicles		9,500
	Program increase - cybersecurity of MDA DV left and right of launch		5,000
32	**ADVANCED RESEARCH**	**18,687**	**33,687**
	Program increase - adaptive-optics		5,000
	Program increase - domestic supply of strategic metals		5,000
	Program increase - high-speed flight experiment testing		5,000
34	**ADVANCED AEROSPACE SYSTEMS**	**230,978**	**223,478**
	Inadequate justification		-10,000
	Program increase - advanced full range engine		2,500
35	**SPACE PROGRAMS AND TECHNOLOGY**	**158,439**	**151,439**
	Inadequate justification		-7,000
36	**ANALYTIC ASSESSMENTS**	**23,775**	**19,775**
	Prior year carryover		-4,000
37	**ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS**	**36,524**	**28,524**
	Prior year carryover		-8,000
40	**DEFENSE MODERNIZATION AND PROTOTYPING**	**133,375**	**155,573**
	Insufficient justification		-19,702
	Program increase - emerging capabilities technology support		7,500
	Program increase - artificial intelligence enabled sensor networks		8,400
	Program increase - disruptive air and missile defense		5,000
	Program increase - open source intelligence		3,000
	Program increase - remote advise and assist		8,000
	Program increase - stratospheric balloon research		10,000
42	**DEFENSE INNOVATION UNIT (DIU)**	**26,141**	**35,641**
	Program increase - multi-orbit platform		4,500
	Program increase - small tactical imagery satellites		5,000
44	**CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM - ADVANCED DEVELOPMENT**	**188,001**	**191,001**
	Program increase - high air flow chem/bio filtration system enhancement		3,000
47	**JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS**	**85,452**	**71,452**
	Prior year carryover		-14,000

R-1		Budget Request	Final Bill
49	**DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM**	**93,817**	**245,817**
	Program increase		26,000
	Program Increase - cyber initiatives		3,000
	Program increase - flexible hybrid electronics		10,000
	Program increase - high temperature carbon composites manufacturing		7,000
	Program increase - digital manufacturing		7,000
	Program increase - additive manufacturing training insertion		2,000
	Program increase - hypersonic enabling additive manufacturing		10,000
	Program increase - advanced manufacturing		14,000
	Program increase - hypersonics advanced manufacturing technology center		25,000
	Program increase - 5G manufacturing testbeds		5,000
	Program increase - advanced structural manufacturing		7,500
	Program increase - manufacturing USA institutes		5,000
	Program increase - hypersonics and thermal management		5,000
	Program increase - carbon hypersonics materials industrial base		5,000
	Program increase - high performance computing-enabled advanced manufacturing		17,000
	Program increase - arsenal supply chain security proof of concept		3,500
50	**MANUFACTURING TECHNOLOGY PROGRAM**	**40,025**	**64,025**
	Program increase - steel performance initiative		10,000
	Program increase - supply chain adoption of additive manufacturing, automation, and robotics		10,000
	Program increase - rare earth magnets		4,000
52	**GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS**	**10,235**	**15,235**
	Program increase - additive manufacturing castings modeling		5,000
53	**STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM**	**53,862**	**85,462**
	Program increase - PFAS remediation and disposal technology		15,000
	Program increase - AFFF replacement, disposal, and cleanup technology		15,000
	Program increase - PFAS innovation award fund		5,000
	Prior year carryover		-6,400
	Program increase - PFAS/PFOA response		3,000
54	**MICROELECTRONIC TECHNOLOGY DEVELOPMENT**	**124,049**	**136,049**
	MGUE - DLA requested transfer from P,DW line 23		7,000
	Program increase - GaN-on-Si RF front-end		5,000
58	**NETWORK-CENTRIC WARFARE TECHNOLOGY**	**661,158**	**641,158**
	Prior year carryover		-20,000
59	**SENSOR TECHNOLOGY**	**200,220**	**190,220**
	Unjustified increase		-10,000
64	**HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM**	**105,410**	**112,910**
	Program increase - power and thermal systems		7,500

R-1		Budget Request	Final Bill
65	**TEST & EVALUATION SCIENCE & TECHNOLOGY**	**187,065**	**178,565**
	Prior year carryover		-36,000
	Program increase - academic hypersonic research, test and evaluation facilities		6,500
	Program increase - high-enthalpy hypersonic testing facility for thermal protection systems in reactive environments		5,000
	Program increase - hypervelocity ground testing		16,000
66	**NATIONAL SECURITY INNOVATION NETWORK**	**0**	**40,000**
	Program increase		40,000
67	**OPERATIONAL ENERGY CAPABILITY IMPROVEMENT**	**0**	**16,000**
	TRISO fuel production		10,000
	Program increase - thermal and power technology		6,000
70	**SPECIAL OPERATIONS ADVANCED TECHNOLOGY DEVELOPMENT**	**89,072**	**96,958**
	Inaccurate transfer		-2,114
	Program increase - identity management		10,000
73	**WALKOFF**	**106,529**	**101,529**
	Excess growth		-5,000
75	**ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM**	**61,345**	**73,345**
	Program increase - PFAS remediation and disposal technology		15,000
	Program increase - AFFF alternatives for shore-based aircraft hangers		1,000
	Prior year carryover		-7,000
	Program increase - sustainable technology demonstration program		3,000
76	**BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT**	**412,627**	**310,127**
	THAAD underlay lack of validated requirement and acquisition strategy - CONOPS development and analysis only		-102,500
77	**BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT**	**1,004,305**	**1,221,261**
	Future contracts preparation only		-15,000
	Program increase - ground-based midcourse defense reliability/SLEP		250,000
	Inadequate justification		-18,044
79	**BALLISTIC MISSILE DEFENSE SENSORS**	**281,957**	**265,803**
	MD11 modeling and simulation development unjustified growth		-16,154
80	**BALLISTIC MISSILE DEFENSE ENABLING PROGRAMS**	**599,380**	**612,380**
	Program increase - architecture reactive target simulation development		10,000
	Program increase - cruise missile defense for homeland - indications and warning		3,000
81	**SPECIAL PROGRAMS - MDA**	**420,216**	**390,216**
	Program adjustment		-30,000

R-1		Budget Request	Final Bill
82	**AEGIS BMD**	**814,936**	**877,336**
	AEGIS underlay lack of validated requirement and acquisition strategy - continued CONOPS development and analysis only		-26,760
	Program increase - SM-3 Block IIA ECPs		106,000
	Excess growth		-16,840
83	**BALLISTIC MISSILE DEFENSE C2BMC**	**593,353**	**643,556**
	Increment 7 growth without established program baseline		-6,365
	Increment 9 growth without established program baseline		-34,600
	Program increase - cruise missile defense for homeland - indications and warning		36,200
	Program increase - cybersecurity		4,968
	Program increase - classified unfunded requirement #1		50,000
89	**BMD TESTS**	**378,302**	**363,302**
	Prior year test asset carryover		-15,000
93	**NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G)**	**449,000**	**430,000**
	Underexecution		-19,000
94	**DEPARTMENT OF DEFENSE CORROSION PROGRAM**	**3,325**	**5,325**
	Program increase - military painter training and applied research		2,000
95	**TECHNOLOGY MATURATION INITIATIVES**	**67,389**	**109,389**
	Program increase - DPAL		42,000
98	**HYPERSONIC DEFENSE**	**206,832**	**272,632**
	Program increase - hypersonic defense - glide phase weapon system		10,000
	Program increase - hypersonic defense - weapon system technology development		40,800
	Program increase - hypersonic defense - engineering enablers		15,000
99	**ADVANCED INNOVATIVE TECHNOLOGIES**	**730,508**	**749,508**
	Poor funds management		-51,000
	Program increase - mobile nuclear microreactors		70,000
100	**TRUSTED & ASSURED MICROELECTRONICS**	**489,076**	**504,076**
	Program increase - GaN and GaAs RFIC technology		10,000
	Program increase - trusted artificial intelligence		5,000
101	**RAPID PROTOTYPING PROGRAM**	**102,023**	**92,023**
	Program decrease		-10,000
102	**DEFENSE INNOVATION UNIT (DIU) PROTOTYPING**	**13,255**	**31,255**
	Program increase - dual-use technologies		15,000
	Program increase - pilot program on talent management		3,000
103	**DOD UNMANNED AIRCRAFT SYSTEM (UAS) COMMON DEVELOPMENT**	**2,787**	**7,087**
	Program increase - unmanned traffic management		4,300
105	**HOMELAND DEFENSE RADAR - HAWAII**	**0**	**133,000**
	Program increase - Homeland Defense Radar - Hawaii		133,000

R-1	Budget Request	Final Bill
111 IMPROVED HOMELAND DEFENSE INTERCEPTORS	**664,138**	**858,138**
Next generation interceptor contract award delay		-6,000
Program increase - GMD risk reduction		200,000
112 BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT TEST	**7,768**	**1,000**
Prior year test asset carryover		-6,768
113 AEGIS BMD TEST	**170,880**	**71,498**
AEGIS underlay test funding early to need		-96,000
Prior year test asset carryover		-3,382
114 BALLISTIC MISSILE DEFENSE SENSORS TEST	**76,456**	**64,245**
Prior year test asset carryover		-12,211
121 SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING	**215,994**	**194,694**
Hypersonic and ballistic tracking space sensor - transfer to line 123		-10,000
Unjustified launch costs		-11,300
123 BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS	**32,068**	**162,068**
Program increase - hypersonic and ballistic tracking space sensor		120,000
Hypersonic and ballistic tracking space sensor - transfer from line 121		10,000
125A JOINT HYPERSONICS TRANSITION OFFICE	**0**	**90,000**
Program increase - Joint Hypersonics Transition Office		90,000
126 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	**319,976**	**356,472**
Joint vaccine for botulinum and plague vaccines funding restoration		26,996
Program increase - decontamination technologies		5,000
Program increase - smallpox antiviral		4,500
127 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS)	**54,985**	**51,318**
Excess growth		-10,667
Program increase - Applied Research Laboratory for Remote Sensing Systems		7,000
134 CMO POLICY AND INTEGRATION	**1,648**	**1,618**
Program decrease		-30
148 CENTRAL TEST & EVAL INVESTMENT DEVELOPMENT	**422,451**	**423,501**
Unjustified increase		-34,150
Program increase - hypersonic test facilities		20,000
Program increase - telemetry extension SATCOM relay		5,000
Program increase - threat force geospatial platform virtual training environment		5,200
Program increase - cyber vulnerability assessments		5,000
154 CLASSIFIED PROGRAM USD(P)	**0**	**110,000**
Classified adjustment		110,000
155 SYSTEMS ENGINEERING	**49,376**	**45,626**
Prior year carryover		-3,750

R-1	Budget Request	Final Bill
159 GENERAL SUPPORT TO USD (INTELLIGENCE)	**1,940**	**7,940**
Program increase - applied research laboratory for intelligence and security		6,000
160 CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM	**122,951**	**127,951**
Program increase - biological weapons testing		5,000
168 MAINTAINING TECHNOLOGY ADVANTAGE	**29,566**	**25,566**
Unjustified growth		-4,000
169 DEFENSE TECHNOLOGY ANALYSIS	**29,059**	**23,359**
Excess growth		-8,700
Program increase - technology transition partnership intermediary		3,000
170 DEFENSE TECHNICAL INFORMATION CENTER (DTIC)	**59,369**	**57,716**
Program decrease		-1,653
175 BUDGET AND PROGRAM ASSESSMENTS	**13,173**	**10,099**
Unjustified growth		-3,074
200 JOINT ARTIFICIAL INTELLIGENCE	**132,058**	**137,058**
Program increase - commercial geospatial analytics		5,000
203 INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	**9,151**	**172,151**
Program increase		15,000
Program increase - freeze dried plasma		10,000
Program increase - submarine workforce development		20,000
Program increase - frequency selective limiters		5,000
Program increase - lead-free electronics		10,000
Program increase - automated textile manufacturing		10,000
Program increase - precision optics manufacturing		4,000
Program increase - machine tooling and advanced manufacturing		20,000
Program increase - shape memory alloys		5,000
Program increase - high performance weldable armor		5,000
Program increase - weldable ultra hard armor		10,000
Program increase - industrial skills		3,500
Program increase - pilot mask technology		10,000
Program increase - active matrix organic light emitting diode		5,000
Program increase - risk reduction for tungsten defense products		5,000
Program increase - advanced manufacturing workforce development		6,000
Program increase - advanced nanomaterials manufacturing		10,000
Program increase - interdisciplinary center for advanced manufacturing system		7,500
Program increase - munitions supply chain expansion		2,000
204 CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT	**19,082**	**16,966**
Excess growth		-2,116
217 INFORMATION SYSTEMS SECURITY PROGRAM	**356,713**	**394,713**
Program increase - cyber activities at senior military colleges		18,000
Program increase - workforce Transformation Cyber Initiative Pilot Program		20,000
235 POLICY R&D PROGRAMS	**7,144**	**6,301**
Unjustified growth		-843

R-1		Budget Request	Final Bill
244	**INSIDER THREAT**	**0**	**3,000**
	Program increase - advanced background screening and detection		3,000
258	**SPECIAL OPERATIONS AVIATION SYSTEMS ADVANCED DEVELOPMENT**	**230,812**	**250,812**
	Armed Overwatch - SOCOM requested transfer from PDW line 55		20,000
259	**SPECIAL OPERATIONS INTELLIGENCE SYSTEMS DEVELOPMENT**	**19,558**	**26,558**
	Program increase - DOMEX		7,000
260	**SOF OPERATIONAL ENHANCEMENTS**	**136,041**	**173,041**
	Program increase - classified adjustment		12,000
	Program increase - AISUM		25,000
261	**WARRIOR SYSTEMS**	**59,511**	**58,333**
	MMP excess to need		-1,178
262	**SPECIAL PROGRAMS**	**10,500**	**7,500**
	Classified adjustment - excess to need		-3,000
263	**UNMANNED ISR**	**19,154**	**14,154**
	Underexecution		-5,000
264	**SOF TACTICAL VEHICLES**	**9,263**	**14,263**
	Program increase - next generation combat vehicles		5,000
265	**SOF MARITIME SYSTEMS**	**59,882**	**68,582**
	Program increase - diver propulsion		4,200
	Program increase - C3SA		4,500
269	**NATIONAL BACKGROUND INVESTIGATION SERVICES - SOFTWARE PILOT PROGRAM**	**121,676**	**109,676**
	Unjustified increase		-12,000
271	**GLOBAL COMMAND AND CONTROL SYSTEM**	**86,750**	**75,750**
	Insufficient budget justification - inaccurate transfer		-6,000
	Prior year carryover		-5,000
272	**ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS - SOFTWARE PILOT PROGRAM**	**250,107**	**230,107**
	Excess growth		-20,000
999	**CLASSIFIED PROGRAMS**	**4,746,466**	**4,809,068**
	Classified adjustment		62,602
	UNDISTRIBUTED - RESTORE DWR MISSILE DEFENSE AGENCY MANPOWER REDUCTION		**15,000**
	UNDISTRIBUTED - 5G SPECTRUM REALLOCATION MITIGATION		**10,000**
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED		**-9,588**

MOBILE MICROREACTOR STRATEGY

The agreement supports efforts by the Department of Defense to explore new methods of power production for use in operational needs, future weapon systems, force protection, asset protection, and humanitarian and disaster response. The recommendation provides $70,000,000 to support the development of a prototype mobile microreactor and $10,000,000 to support the production of fuel for the prototype.

The agreement notes, however, that the Department has not established an executive agent to direct the microreactor program and has not secured fuel stocks. Therefore, the Under Secretary of Defense (Research and Engineering) is directed to submit a report to the congressional defense committees not later than 30 days after the enactment of this Act, on the Department's plans for the mobile microreactor program. The report shall address whether the Department has identified an executive agent for mobile energy; plans to include mobile energy solutions, such as microreactors, in force modernization initiatives; the strategy for deploying microreactors, including site identification processes, fielding, personnel training, and deployment timelines; the procurement strategy to acquire feed material for microreactors; the plan to identify and use existing authorities to provide appropriate indemnities; and the status of pilot programs for microreactors, including suitable locations for pilot activities.

ARTIFICIAL INTELLIGENCE COORDINATION

The agreement supports the artificial intelligence activities of the Department of Defense which are intended to improve the affordability and effectiveness of military operations. The agreement is concerned, however, about a lack of coordination among the myriad of artificial intelligence programs within the Department and the military Services. Therefore, the Director of the Joint Artificial Intelligence Center is directed to provide the congressional defense committees, not later than 120 days after the enactment of this Act, an inventory of all artificial intelligence activities to include each program's appropriation, project, and line number; the current and future years defense program funding; the identification of academic or industry mission partners, if applicable; and any planned transition partners.

ARSENAL SUPPLY CHAIN SECURITY PROOF OF CONCEPT

The agreement provides $3,500,000 and directs the Under Secretary of Defense (Research and Engineering) to utilize these funds to provide cybersecurity resources and to address cybersecurity challenges and digital modernization efforts at Army arsenals through partnerships with digital manufacturing institute efforts. This language replaces the language under the heading ''Arsenal Security'' in House Report 116–453.

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY SMALL BUSINESS SET ASIDE APPLICATION

The agreement notes challenges posed to the effective analysis of the budget of the Defense Advanced Research Projects Agency (DARPA) due to practices within the agency of balancing the Small Business Innovation Research set asides across the DARPA portfolio based on program execution rather than proportionally from each program element. Such practices are not permitted. The agreement reminds the Director of DARPA, and all defense agencies, that section 8052 of this Act requires that ''the Small Business Innovation Research program and the Small Business Technology Transfer program set asides shall be taken proportionally from all programs, projects, or activities to the extent they contribute to the extramural budget.'' Proportional application of the set aside aids congressional budget oversight by ensuring accurate visibility into under executing programs and program element requirements. The agreement expects these requirements to be followed by all elements of the Department of Defense.

OPERATIONAL TEST AND EVALUATION, DEFENSE

The agreement provides $257,120,000 for Operational Test and Evaluation, Defense, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
OPERATIONAL TEST AND EVALUATION	100,021	100,021
LIVE FIRE TESTING	70,933	70,933
OPERATIONAL TEST ACTIVITIES AND ANALYSIS	39,136	86,166
Program increase—DWR joint test and evaluation program restoral		22,030
Program increase—mid-tier acquisitions/rapid prototyping oversight		25,000
Total, Operational Test & Evaluation, Defense	210,090	257,120

TITLE V—REVOLVING AND MANAGEMENT FUNDS

The agreement provides $1,473,910,000 in Title V, Revolving and Management Funds.

DEFENSE WORKING CAPITAL FUNDS

The agreement provides $1,473,910,000 for Defense Working Capital Funds, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
WORKING CAPITAL FUND, ARMY	56,717	181,717
Industrial Operations	32,551	157,551
Program increase—Arsenals Initiative		125,000
Supply Management	24,166	24,166
WORKING CAPITAL FUND, AIR FORCE	95,712	95,712
Supplies and Materials	95,712	95,712
WORKING CAPITAL FUND, DEFENSE-WIDE	49,821	49,821
DEFENSE WORKING CAPITAL FUND, DECA	1,146,660	1,146,660
Total, Defense Working Capital Funds	1,348,910	1,473,910

TITLE VI—OTHER DEPARTMENT OF DEFENSE PROGRAMS

The agreement provides $36,024,275,000 in Title VI, Other Department of Defense Programs, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
TITLE VI		
OTHER DEPARTMENT OF DEFENSE PROGRAMS		
Defense Health Program		
Operation and maintenance	31,349,553	30,747,659
Procurement	617,926	544,369
Research, development, test and evaluation	722,893	2,392,579
Total, Defense Health Program 1/	32,690,372	33,684,607
Chemical Agents and Munitions Destruction, Defense:		
Operation and maintenance	106,691	106,691
Procurement	616	616
Research, development, test and evaluation	782,193	942,493
Total, Chemical Agents 2/	889,500	1,049,800
Drug Interdiction and Counter-Drug Activities, Defense1/	769,629	914,429
Office of the Inspector General 1/	371,439	375,439
Total, title VI, Other Department of Defense Programs	34,720,940	36,024,275

DEFENSE HEALTH PROGRAM

The agreement provides $33,684,607,000 for the Defense Health Program, as follows:

(DOLLARS IN THOUSANDS)

		BUDGET REQUEST	FINAL BILL
	DEFENSE HEALTH PROGRAM		
	OPERATION AND MAINTENANCE		
10	IN-HOUSE CARE	9,560,564	9,152,707
20	PRIVATE SECTOR CARE	15,841,887	15,711,537
30	CONSOLIDATED HEALTH SUPPORT	1,338,269	1,333,869
40	INFORMATION MANAGEMENT	2,039,910	2,089,039
50	MANAGEMENT ACTIVITIES	330,627	330,627
60	EDUCATION AND TRAINING	315,691	328,285
70	BASE OPERATIONS/COMMUNICATIONS	1,922,605	1,930,210
	UNDISTRIBUTED REDUCTION - EXCESS TO NEED	---	-136,015
	UNDISTRIBUUTED INCREASE (AMENDMENTS)	---	7,400
	SUBTOTAL, OPERATION AND MAINTENANCE	31,349,553	30,747,659
	PROCUREMENT		
150	INITIAL OUTFITTING	22,932	22,932
160	REPLACEMENT AND MODERNIZATION	215,618	215,618
170	JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM	---	2,620
180	MILITARY HEALTH SYSTEM - DESKTOP TO DATACENTER	70,872	70,872
180	DOD HEALTH MANAGEMENT SYSTEM MODERNIZATION	308,504	232,327
	SUBTOTAL, PROCUREMENT	617,926	544,369
	RESEARCH DEVELOPMENT TEST AND EVALUATION		
80	RESEARCH	8,913	8,913
90	EXPLORATORY DEVELOPMENT	73,984	73,984
100	ADVANCED DEVELOPMENT	225,602	230,602
110	DEMONSTRATION/VALIDATION	132,331	147,331
120	ENGINEERING DEVELOPMENT	55,748	101,962
130	MANAGEMENT AND SUPPORT	48,672	48,672
140	CAPABILITIES ENHANCEMENT	17,215	17,215
150	UNDISTRIBUTED MEDICAL RESEARCH	---	1,763,900
	SUBTOTAL, RESEARCH DEVELOPMENT TEST AND EVALUATION	562,465	2,392,579
190	SOFTWARE & DIGITAL TECHNOLOGY PILOT PROGRAMS	160,428	---
	TOTAL, DEFENSE HEALTH PROGRAM	32,690,372	33,684,607

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

	Budget Request	Final Bill
OPERATION AND MAINTENANCE		
IN-HOUSE CARE	**9,560,564**	**9,152,707**
Medical reform implementation - excess funding to replace military medical end strength		-334,613
Misaligned program growth		-29,539
Descoping of military treatment facilities funding restoration		36,260
Inadequate justification		-9,065
Program increase - telehealth for military children and families		5,000
Printing and reproduction excess growth		-6,300
Medical care contracts excess growth		-40,100
Equipment purchases excess growth		-29,500
PRIVATE SECTOR CARE	**15,841,887**	**15,711,537**
Medical reform implementation - excess growth		-114,000
Pharmaceutical drugs excess growth		-16,350
CONSOLIDATED HEALTH SUPPORT	**1,338,269**	**1,333,869**
Program increase - therapeutic service dog training program		11,000
Program increase - digital hearing records		2,000
Program increase - sexual trauma treatment pilot program		4,000
Program increase - armed forces medical examiner DNA testing to support POW/MIA efforts		4,000
Historical underexecution		-25,400
INFORMATION MANAGEMENT	**2,039,910**	**2,089,039**
DHMSM excess growth		-11,475
JOMIS - transfer from software and digital technology pilot programs		108,548
Tri-service IM/IT excess growth		-52,944
Program increase - digital solution prototype for wellness		5,000
EDUCATION AND TRAINING	**315,691**	**328,285**
Program increase - Health Profession Scholarship		6,000
Uniformed Services University of the Health Sciences funding restoration		10,000
Program increase - specialized medical pilot program		2,500
Equipment purchases excess growth		-5,906
BASE OPERATIONS AND COMMUNICATIONS	**1,922,605**	**1,930,210**
FSRM funding restoration		29,505
Historical underexecution		-21,900
UNDISTRUBUTED REDUCTION - EXCESS TO NEED		**-136,015**
UNDISTRIBUTED - SUICIDE PREVENTION PROGRAMS		**7,400**
TOTAL, OPERATION AND MAINTENANCE	**31,349,553**	**30,747,659**

	Budget Request	Final Bill
PROCUREMENT		
Excess to need		-76,177
JOMIS - transfer from software and digital technology pilot programs		2,620
TOTAL, PROCUREMENT	**617,926**	**544,369**
RESEARCH AND DEVELOPMENT		
JOMIS - transfer from software and digital technology pilot programs		49,260
JOMIS excess growth		-3,046
Program increase - NDMS medical surge pilot		15,000
Program increase - advanced modeling and simulation		5,000
Restore core funding reduction		274,900
Peer-reviewed alcohol and substance use disorders research		4,000
Peer-reviewed ALS research		40,000
Peer-reviewed alzheimer research		15,000
Peer-reviewed autism research		15,000
Peer-reviewed bone marrow failure disease research		7,500
Peer-reviewed breast cancer research		150,000
Peer-reviewed cancer research		115,000
Peer-reviewed Duchenne muscular dystrophy research		10,000
Peer-reviewed epilepsy research		12,000
Peer-reviewed gulf war illness research		22,000
Peer-reviewed hearing restoration research		10,000
Peer-reviewed kidney cancer research		50,000
Peer-reviewed lung cancer research		20,000
Peer-reviewed lupus research		10,000
Peer-reviewed medical research		370,000
Peer-reviewed melanoma research		30,000
Peer-reviewed multiple sclerosis research		20,000
Peer-reviewed orthopedic research		30,000
Peer-reviewed ovarian cancer research		35,000
Peer-reviewed pancreatic cancer research		15,000
Peer-reviewed prostate cancer research		110,000
Peer-reviewed rare cancers research		17,500
Peer-reviewed reconstructive transplant research		12,000
Peer-reviewed scleroderma research		5,000
Peer-reviewed spinal cord research		40,000
Peer-reviewed tickborne disease research		7,000
Peer-reviewed traumatic brain injury and psychological health research		175,000
Peer-reviewed tuberous sclerosis complex research		8,000
Peer-reviewed vision research		20,000
Global HIV/AIDS prevention		8,000
HIV/AIDS program increase		16,000
Joint warfighter medical research		40,000
Orthotics and prosthetics outcome research		15,000
Chronic pain management		15,000
Trauma clinical research program		10,000
Combat readiness medical research		10,000
TOTAL, RESEARCH AND DEVELOPMENT	**562,465**	**2,392,579**

	Budget Request	Final Bill
JOMIS - SOFTWARE PILOT PROGRAM	**160,428**	**0**
JOMIS - transfer to Operation and Maintenance, Information Management		-108,548
JOMIS - transfer to Procurement		-2,620
JOMIS - transfer to Research and Development		-49,260

REPROGRAMMING GUIDANCE FOR THE DEFENSE HEALTH PROGRAM

(INCLUDING BASE AND OVERSEAS CONTINGENCY OPERATIONS FUNDING)

The agreement directs that the In-House Care and Private Sector Care budget sub-activities remain designated as congressional special interest items. Any transfer of funds into or out of these sub-activities requires the Secretary of Defense to follow prior approval reprogramming procedures. The Secretary of Defense is further directed to provide a report to the congressional defense committees not later than 30 days after the enactment of this Act that delineates transfers of funds and the dates any transfers occurred from the Private Sector Care budget sub-activity to any other budget sub-activity in fiscal year 2020.

The Assistant Secretary of Defense (Health Affairs) is directed to provide quarterly reports and 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

The agreement provides one percent carryover authority for the operation and maintenance account of the Defense Health Program. The Assistant Secretary of Defense (Health Affairs) is directed to submit a detailed spending plan for any fiscal year 2020 designated carryover funds to the congressional defense committees not less than 30 days prior to executing the carryover funds.

PEER-REVIEWED CANCER RESEARCH PROGRAM

The agreement provides $115,000,000 for the peer-reviewed cancer research program to research cancers not addressed in the breast, pancreatic, prostate, ovarian, kidney, lung, melanoma, and rare cancer research programs.

The funds provided in the peer-reviewed cancer research program are directed to be used to conduct research in the following areas: cancers associated with the use of beryllium; bladder cancer; blood cancers; brain cancer; colorectal cancer; endometrial cancer; esophageal cancer; germ cell cancers; head and neck cancer; liver cancer; lymphoma; mesothelioma; metastatic cancers; neuroblastoma; pediatric brain tumors; pediatric, adolescent, and young adult cancers; sarcoma; stomach cancer; thyroid cancer, and the link between scleroderma and cancer. The peer-reviewed cancer research program shall be used only for the purposes listed above. The inclusion of the individual rare cancer research program shall not prohibit the peer-reviewed cancer research program from funding the above-mentioned cancers or cancer subtypes that may be rare by definition.

The report directed under this heading in House Report 116–453 is still required to be provided not later than 12 months after the enactment of this Act.

PEER-REVIEWED MEDICAL RESEARCH PROGRAM

The agreement provides $370,000,000 for a peer-reviewed medical research program. The Secretary of Defense, in conjunction with the Service Surgeons General, is directed to select medical research projects of clear scientific merit and direct relevance to military health. Research areas considered under this funding are restricted to: arthritis, burn pit exposure, cardiomyopathy, congenital heart disease, diabetes, dystonia, eating disorders, emerging viral diseases, endometriosis, epidermolysis bullosa, familial hypercholesterolemia, fibrous dysplasia, focal segmental glomerulosclerosis, food allergies, Fragile X, frontotemporal degeneration, hemorrhage control, hepatitis B, hydrocephalus, hypertension, inflammatory bowel diseases, malaria, metals toxicology, mitochondrial disease, myalgic encephalomyelitis/chronic fatigue syndrome, myotonic dystrophy, non-opioid therapy for pain management, nutrition optimization, pathogen-inactivated blood products, peripheral neuropathy, plant-based vaccines, platelet like cell production, polycystic kidney disease, pressure ulcers, pulmonary fibrosis, respiratory health, rheumatoid arthritis, sleep disorders and restriction, suicide prevention, sustained release drug delivery, vascular malformations, and women's heart disease. The additional funding provided under the peer-reviewed medical research program shall be devoted only to the purposes listed above.

ELECTRONIC HEALTH RECORDS

The agreement 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 on the status of the installation of all remaining information technology and related infrastructure required to complete the deployment of the electronic health record system, including the timeline to complete installation, and costs associated if the Department accelerated the deployment timeline.

The agreement 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. It is expected that the Program Executive Officer, Defense Healthcare Management Systems (PEO DHMS) will facilitate quarterly performance reviews by providing the Comptroller General with regular and in-depth access to the program.

The agreement directs the Director, Operational Test and Evaluation to conduct an evaluation of change management strategies and training programs related to the deployment of MHS GENESIS and to provide a briefing to the House and Senate Appropriations Committees not later than 90 days after the enactment of this Act on related findings and recommendations for improvement.

The agreement directs the PEO DHMS 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 to better track the progress of resolving the issues identified in the initial deployment of MHS GENESIS. The PEO DHMS, in conjunction with the Director of the Interagency Program Office 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 of the program, including indirect costs being funded outside of the DHMS Modernization Electronic Health Record program; and schedule of the program, to include milestones, knowledge points, and acquisition timelines, as well as quarterly obligation reports.

The Director of the Interagency Program Office is directed to provide quarterly reports to the House and Senate Appropriations Committees, Subcommittees on Defense and Military Construction, Veterans Affairs, and Related Agencies on the progress of interoperability between the two Departments.

CONGRESSIONALLY DIRECTED MEDICAL RESEARCH PROGRAMS

The agreement directs the Comptroller General to conduct a comprehensive review of the Congressionally Directed Medical Research Programs that includes the program's ability to execute annual appropriations; measure its return on research investment; and analyze its research coordination with the National Institute of Health and the Department of Veterans Affairs. The agreement directs the Comptroller General to brief the House and Senate Appropriations Committees on its preliminary findings not later than 180 days after the enactment of this Act and to provide a full report to the same Committees at a date agreed upon at that time of the preliminary briefing.

RESTRUCTURING MILITARY TREATMENT FACILITIES

The agreement directs the Assistant Secretary of Defense (Health Affairs), in coordination with the Director of the Defense Health Agency and the Service Surgeons General, to submit to the congressional defense committees an implementation plan prior to the obligation of funds in fiscal year 2021 to close or restructure any military treatment facilities. The plan shall include detailed impacts to medical manpower; updated information and analysis on the accessibility and quality of nearby civilian health-care providers; military readiness; cost-effectiveness, including reimbursement rates for TRICARE; and an assessment of Government Accountability Office recommendations for future transitions.

MILITARY TREATMENT FACILITY TRANSITION

The Comptroller General is directed to provide the congressional defense committees a report not later than 90 days after the enactment of this Act on the status of the transition of military treatment facilities (MTF) to the Defense Health Agency (DHA). The report shall include a review of functions at facilities that have already transitioned, including DHA's role or management and the administration support that the Services are providing and a timeline for that support to cease; cost implications of the transition, including the Department's plan for maximizing efficiencies and reducing duplication; the current and planned DHA staffing model; and how the DHA will ensure that the Services' medical requirements are considered and met. The agreement also directs the Assistant Secretary of Defense (Health Affairs) to continue to provide any updates regarding the MTF transition directly to the congressional defense committees in a timely manner in order to facilitate appropriate congressional oversight.

FACILITIES SUSTAINMENT, RESTORATION AND MODERNIZATION

The Director of the Defense Health Agency, in coordination with the Secretary of Defense (Health Affairs) and the Service Surgeons General, is directed to submit to the congressional defense subcommittees not later than 180 days after the enactment of this Act, a comprehensive plan to address the defense medical facilities sustainment, restoration and modernization unfunded requirements and recommendations detailed in the Department of Defense Inspector General audit report.

JOINT WARFIGHTER MEDICAL RESEARCH PROGRAM

The Assistant Secretary of Defense (Health Affairs) is directed to submit a report, not later than 12 months after the enactment of this Act, to the congressional defense committees that lists the projects that receive funding under the Joint Warfighter Medical Research Program. The report shall include

the funding amount awarded to each project, a thorough description of each project's research, and the benefit the research will provide to the Department of Defense.

TRAUMATIC BRAIN INJURY/PSYCHOLOGICAL HEALTH

The Assistant Secretary of Defense (Health Affairs) is directed to submit a report to the congressional defense committees not later than 18 months after the enactment of this Act on expenditure and obligation data of additional funding added by Congress for psychological health and traumatic brain injury.

ORTHOTICS AND PROSTHETICS OUTCOMES RESEARCH

The Assistant Secretary of Defense (Health Affairs) is directed to provide a report, not later than 18 months after the enactment of this Act, to the congressional defense committees on the peer-reviewed projects that receive funding under the Orthotics and Prosthetics Outcomes research funding line. The report shall include the funding amount awarded to each project and the anticipated effect on patient care.

CHRONIC PAIN MANAGEMENT RESEARCH

The funds provided in the chronic pain management research program shall be used to conduct research on the effects of using prescription opioids to manage chronic pain and for researching alternatives, namely non-opioid or non-addictive methods to treat and manage chronic pain, with a focus on issues related to military populations.

SEXUAL TRAUMA TREATMENT PILOT PROGRAM

Funds appropriated for this pilot program in fiscal year 2020 shall be distributed to civilian partners without further delay. For funds recommended for fiscal year 2021, the Assistant Secretary of Defense (Health Affairs) shall submit a spend plan to the House and Senate Appropriations Committees prior to the obligations of funds.

CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

The agreement provides $1,049,800,000 for Chemical Agents and Munitions Destruction, Defense, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
OPERATION AND MAINTENANCE	106,691	106,691
PROCUREMENT	616	616
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	782,193	942,493
Program increase—ACWA program shortfall	.....	160,300
Total, Chemical Agents and Munitions Destruction, Defense	889,500	1,049,800

ASSEMBLED CHEMICAL WEAPONS ALTERNATIVES PROGRAM

The Program Executive Office (PEO) Assembled Chemical Weapons Alternatives (ACWA) is responsible for the safe and environmentally compliant destruction of the remaining United States chemical weapons stockpile stored at the United States Army Pueblo Chemical Depot in Colorado and the Blue Grass Army Depot in Kentucky. The deadline for completion of destruction operations, as established in 50 U.S.C. 1521(b), is not later than December 31, 2023.

Approximately $9,620,000,000 for the ACWA program has been appropriated through fiscal year 2020. The fiscal year 2021 President's budget request includes an additional $775,700,000 for the program. According to the program brief accompanying the budget submission, program funds are for continued destruction operations at the Pueblo facility. At the Blue Grass facility, the funds are for continued destruction operations of sarin, mustard, and some nerve agents, and for the beginning of operations to destroy nerve rocket warheads.

In an August update to the congressional defense committees, the program office reported being on track with program activities and on schedule to meet the 2023 deadline for destruction operations. It is therefore perplexing that in November, already two months into fiscal year 2021, the Department of Defense notified Congress of a $160,300,000 shortfall in the budget request. The Department has indicated that if additional funding is not provided, the program will breach the congressionally mandated deadline for destruction operations by four years at Blue Grass Army Depot while purportedly maintaining the deadline at the Army Pueblo Chemical Depot.

The ACWA program has already experienced a significant Nunn-McCurdy unit cost breach in 2017 and has been cited by the Department of Defense Inspector General as having schedule delays and cost overruns due to a lack of contract oversight. In 2017, the program office came to the congressional defense committees for additional unanticipated funding of $127,000,000. It is unsatisfactory that the program office entrusted with a must-succeed mission has been allowed to be routinely mismanaged and has used Congress as its backstop against failure.

The agreement concludes that the program lacks the proper accounting mechanisms and programmatic rigor to effectively assess their status and forecast their resource needs. As such, the PEO ACWA is directed to begin providing quarterly updates to the congressional defense committees not later than one quarter after the enactment of this Act. These updates must include itemized spend plans that show any procurement of systems or components and labor costs broken out by main plant operation; static detonation chamber, broken out by operations and manufacturing/testing; non-systems contractors; and rocket processing changes, broken out by: 1) rocket containers and skids; 2) non-destructive equipment/vertical rocket cutting machine; 3) rocket containerization system; 4) SDC 2000 equipment, installation, and training; 5) SDC 1200 equipment, installation, and training; and 6) system contractor labor and materials, if applicable. The updates must also include an assessment of the status of progress on all major projects and detail all program risks and the steps the program is taking to mitigate risks. Each update must make note of any programmatic or budgetary changes since the previous update. Finally, each update must provide schedule projections for meeting the December 31, 2023 deadline.

Additionally, the PEO ACWA is directed to work with the congressional defense committees to determine what, if any, changes should be made to budget materials to provide more transparency into the cost drivers of the program and to the budgetary changes required to support the program goals.

DRUG INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The agreement provides $914,429,000 for Drug Interdiction and Counter-Drug Activities, Defense, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
COUNTER-NARCOTICS SUPPORT	546,203	567,003
Program increase—multi-mission support vessel	.....	18,000
Program increase—Pacific Deterrence Initiative—Joint Interagency Task Force West Project 9202	.....	2,800
DRUG DEMAND REDUCTION PROGRAM	123,704	127,704

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS—Continued

(In thousands of dollars)

	Budget Request	Final Bill
Program increase—young Marines drug demand reduction	.....	4,000
NATIONAL GUARD COUNTER-DRUG PROGRAM	94,211	194,211
Program increase	.....	100,000
NATIONAL GUARD COUNTER-DRUG SCHOOLS	5,511	25,511
Program increase	.....	20,000
Total, Drug Interdiction and Counter-Drug Activities, Defense	769,629	914,429

DRUG-INTERDICTION AND COUNTER-DRUG ACTIVITIES, DEFENSE

The agreement includes funds requested for international programs in the Northern Command and Southern Command areas of responsibility, including $17,080,000 to support counter illicit drug trafficking operations in Southern Command. The Secretary of Defense is directed to ensure that international programs requested and supported by this account do not duplicate programs funded under the Defense Security Cooperation Agency in the Operation and Maintenance, Defense-Wide account.

The agreement also includes $194,211,000 for the National Guard Counter-Drug Program and an additional $31,768,000 is included under Counter-Narcotics Support for operational support to the National Guard.

The Secretary of Defense is directed to provide quarterly reports to House and Senate Appropriations Committees on the use and status of funds provided under this heading, including information for each project as identified in the PB–47 Project Definitions budget exhibit of the fiscal year 2021 budget justification materials and other documentation supporting the fiscal year 2021 Department of Defense budget request.

OFFICE OF THE INSPECTOR GENERAL

The agreement provides $375,439,000 for the Office of the Inspector General, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
OPERATION AND MAINTENANCE	369,483	373,483
Program increase—oversight of PL 116–136 funding	.....	4,000
PROCUREMENT	858	858
RESEARCH, DEVELOPMENT, TEST AND EVALUATION	1,098	1,098
Total, Office of the Inspector General	371,439	375,439

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 realistic end of fiscal year estimates based on personnel trends to date.

TITLE VII—RELATED AGENCIES

The agreement provides $1,147,719,000 in Title VII, Related Agencies, as follows:

(DOLLARS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
TITLE VII		
RELATED AGENCIES		
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000
Intelligence Community Management Account (ICMA)	663,000	633,719
Total, title VII, Related agencies	1,177,000	1,147,719

CLASSIFIED ANNEX

Adjustments to classified programs are addressed in a separate, detailed, and comprehensive classified annex. The Intelligence Community, the Department of Defense, and other organizations are expected to fully comply with the recommendations and directions in the classified annex accompanying the Department of Defense Appropriations Act, 2021.

CENTRAL INTELLIGENCE AGENCY RETIREMENT AND DISABILITY SYSTEM FUND

The agreement provides $514,000,000 for the Central Intelligence Agency Retirement and Disability Fund.

INTELLIGENCE COMMUNITY MANAGEMENT ACCOUNT

The agreement provides $633,719,000, a decrease of $29,281,000 below the budget request, for the Intelligence Community Management Account.

TITLE VIII—GENERAL PROVISIONS

The agreement incorporates general provisions which were not amended. Those general provisions that were addressed in the agreement are as follows:

(TRANSFER OF FUNDS)

The agreement modifies a provision proposed by the House which provides general transfer authority not to exceed $4,000,000,000.

The agreement modifies a provision proposed by the House which identifies tables as Explanation of Project Level Adjustments.

The agreement retains a provision which provides for the establishment of a baseline for application of reprogramming and transfer authorities for the current fiscal year. The House bill contained a similar provision.

The agreement includes a provision proposed by the House regarding humanitarian and civic assistance.

The agreement modifies a provision proposed by the House regarding management of civilian personnel of the Department of Defense.

The agreement includes a provision which provides for the transfer of funds to the Defense Pilot Mentor-Protégé Program. The House bill contained a similar provision.

The agreement includes a provision proposed by the House regarding limitations on the use of funds to purchase anchor and mooring chains.

The agreement retains a provision which restricts the use of funds to reduce or prepare to reduce the number of deployed and non-deployed strategic delivery vehicles and launchers. The House bill contained no similar provision.

The agreement includes a provision proposed by the House regarding incentive payments authorized by the Indian Financing Act of 1974.

The agreement modifies a provision proposed by the House which requires notification regarding funds received from foreign governments related to the stationing or operations of United States Armed Forces.

The agreement modifies a provision proposed by the House which limits the number of staff-years of technical effort at Department of Defense Federally Funded Research and Development Centers.

The agreement includes a provision regarding overseas military facility investment. The House bill contained a similar provision.

The agreement modifies a new provision providing additional transfer authority for amphibious assault ships. The House bill contained no similar provision.

The agreement includes a provision proposed by the House which provides funds for the Asia-Pacific Regional Initiative Program for the purpose of enabling the Indo-Pacific Command to execute Theater Security Cooperation activities.

The agreement includes a provision proposed by the House regarding the availability of certain CIA funds for transfer or extension.

The agreement retains a provision proposed by the House regarding mitigation of environmental impacts on Indian lands resulting from Department of Defense activities.

(RESCISSIONS)

The agreement modifies a provision proposed by the House recommending rescissions and provides for the rescission of $3,248,047,000. The rescissions agreed to are:

2014 Appropriations:	
Shipbuilding and Conversion, Navy:	
DDG–51: DDG 119	$66,567,000
2019 Appropriations:	
Procurement of Weapons and Tracked Combat Vehicles, Army:	
Armored Multi-Purpose Vehicle	9,590,000
Bradley program modifications	14,250,000
Aircraft Procurement, Navy:	
Joint Strike Fighter CV	45,000
Joint Strike Fighter STOVL	66,000
MQ–4 Triton (AP)	7,983,000
AEA systems	15,000,000
Aircraft Procurement, Air Force:	
F–35	25,928,000
C–135B	124,727,000
KC–46A MDAP	9,400,000
HC–130J recap	17,500,000
MC–130J recap	41,124,000
Combat Rescue Helicopter	25,000,000
B–52 1760 IWBU	14,100,000
F–16	45,255,000
C–5	1,600,000
OC–135B	5,744,000
RQ–4 modifications	114,800,000
Initial spares/repair parts	21,069,000
RQ–4 spares	2,100,000
RQ–4 post production support	17,100,000
Other Procurement, Air Force:	
Classified adjustment	12,400,000
2020 Appropriations:	
Aircraft Procurement, Army:	
AH–64 Apache Block IIIA reman	22,500,000
UH–60 Black Hawk L and V models	4,400,000
Missile Procurement, Army:	
Stinger mods	2,377,000
Procurement of Weapons and Tracked Combat Vehicles, Army:	
Armored Multi-Purpose Vehicle	78,000,000
Bradley program modifications	61,141,000
Paladin Integrated Management	9,000,000
Procurement of Ammunition, Army:	
Proj 155mm Extended Range M982	7,500,000
Other Procurement, Army:	
Ground Mobility Vehicles	2,278,000
PLS/ESP	1,297,000
Spider Family of Networked Munitions	9,600,000
Aircraft Procurement, Navy:	
Joint Strike Fighter CV	13,060,000
Joint Strike Fighter STOVL	10,878,000
Joint Strike Fighter STOVL (AP)	83,185,000
CH–53K (AP)	89,583,000
P–8A Poseidon	77,600,000
E–2D	18,000,000
Advanced Helicopter Training System	57,737,000
KC–130J	14,878,000
MQ–4 Triton (AP)	10,070,000
F–18 Series	42,137,000
Weapons Procurement, Navy:	
Undistributed increase—ESB	7,500,000
Procurement of Ammunition, Navy and Marine Corps:	
Practice bombs	8,388,000
5″/54 gun ammo	585,000
Shipbuilding and Conversion, Navy:	
TAO Fleet Oiler (AP)	73,000,000
CVN Refueling Overhauls	13,100,000
Other Procurement, Navy:	
CG modernization	22,920,000
LSD midlife and modernization	22,632,000
Aviation support equipment	10,000,000
Surface combatant HM&E	31,500,000
Procurement, Marine Corps:	
Modification kits	20,139,000
Radio systems	35,000,000
Aircraft Procurement, Air Force:	
F–35	25,358,000
KC–46A MDAP	209,588,000
MC–130J recap	79,874,000
Combat Rescue Helicopter	65,000,000
E–11 BACN Gateway urgent operational need	43,000,000
F–22A	39,752,000
KC–46A modifications	5,213,000
C–5 CNS/ATM	7,900,000
C–17 BLOS	4,385,000
C–130J modifications	3,403,000
Initial spares/repair parts	34,946,000
RQ–4 spares	700,000
RQ–4 post production charges	23,896,000
Missile Procurement, Air Force:	
ALCM	19,500,000
ICBM fuze modifications	5,000,000
Space Procurement, Air Force:	
National Security Space Launch	64,400,000
Other Procurement, Air Force:	
Classified adjustment	20,000,000
GCSS–AF FOS (LOGIT)	11,226,000
Wide area surveillance	35,500,000
Research, Development, Test and Evaluation, Army:	
Indirect Fire Protection Capability Inc 2 Block 1	74,286,000
Manned Ground Vehicle	130,415,000
Long Range Precision Fires	30,000,000
Improved Turbine Engine Program	49,527,000
Research, Development, Test and Evaluation, Navy:	
New Design SSN	70,000,000
Classified adjustment	14,005,000
Research, Development, Test and Evaluation, Air Force:	
ALCM	6,000,000
Arms control implementation	33,848,000
B–52 ATP display	3,000,000
B–52 CERP	10,000,000
B–52 RMP	5,800,000
Combat Rescue Helicopter	17,000,000
Hypersonics prototyping	67,800,000
KC–46A	13,868,000
Combat training ranges	1,500,000
Long Range Standoff Weapon	20,000,000
B–2 defensive management system	25,700,000
Air and Space Operations Center	12,980,000
Evolved Strategic SATCOM	18,500,000
Classified adjustment	15,813,000
Research, Development, Test and Evaluation, Defense-Wide:	
Tactical technology	11,900,000
Counter weapons of mass destruction applied research	3,000,000
Combating terrorism technology support	8,500,000
Space programs and technology	13,800,000
Emerging capabilities technology development	36,000,000
Quick reaction special projects	9,000,000
Operational energy capability improvement	10,000,000
Information technology development	1,500,000
Information systems security program (OSD)	20,000,000
Information systems security program (DISA)	4,000,000
Ballistic missile defense enabling programs	2,031,000
BMD targets	300,000
Technology maturation initiatives	6,400,000
Hypersonic defense	12,500,000
MDA hypersonic defense—partner test	25,100,000
Improved homeland defense interceptors	214,000,000
Defense Working Capital Funds:	
Defense Counterintelligence and Security Agency Working Capital Fund	100,000,000

The agreement retains a provision which prohibits funds from being obligated or expended for assistance to the Democratic People's Republic of Korea with certain exceptions. The House bill contained a similar provision.

The agreement retains a provision proposed by the House allowing reimbursement for Reserve Component intelligence support to combatant commands, defense agencies, and joint intelligence activities.

The agreement retains a provision proposed by the House restricting procurement of ball and roller bearings other than those produced by a domestic source and of domestic origin.

The agreement includes a provision which makes funds available to maintain competitive rates at the arsenals. The House bill contained no similar provision.

The agreement modifies a provision proposed by the House which provides funding to the United Service Organizations and the Red Cross.

The agreement includes a provision requiring set-asides for Small Business Innovation Research and Small Business Technology Transfer to be taken proportionally from all programs. The House bill contained a similar provision.

(TRANSFER OF FUNDS)

The agreement includes a provision proposed by the House which provides funding

to the Sexual Assault Special Victim's Counsel Program.

The agreement includes a provision which limits the use of research and development funds to procure end-items. The House bill contained a similar provision.

The agreement includes a provision which restricts certain funds for any new start advanced concept technology demonstration project or joint capability demonstration project. The House bill contained a similar provision.

The agreement includes a provision proposed by the House requiring classified quarterly reports.

(TRANSFER OF FUNDS)

The agreement includes a provision providing funds for a classified Operation and Maintenance, Army transfer. The House bill contained a similar provision.

The agreement includes a provision regarding the National Intelligence Program budget. The House bill contained a similar provision.

The agreement modifies a provision proposed by the House which provides a grant to the Fisher House Foundation, Inc.

The agreement includes a provision proposed by the House relating to the assignment of forces.

The agreement includes a provision proposed by the House requiring notification relating to rapid acquisition authority.

The agreement includes a provision which provides funding for prior year shipbuilding cost increases. The House bill contained a similar provision.

The agreement retains a provision which prohibits funding from being used to initiate a new start program without prior written notification. The House bill contained a similar provision.

The agreement includes a provision regarding contingency budget operations. The House bill contained a similar provision.

The agreement retains a provision that allows the use of funds for the rapid acquisition and deployment of supplies and associated support services. The House bill contained a similar provision.

The agreement includes a provision which limits the reprogramming of funds from the Department of Defense Acquisition Workforce Development Account. The House bill contained a similar provision.

The agreement includes a new provision relating to Space Force satellite on-orbit incentive payments. The House bill contained no similar provision.

The agreement retains a provision which provides the Director of National Intelligence with general transfer authority with certain limitations. The House bill contained a similar provision.

The agreement retains a provision which restricts the transfer of Khalid Sheik Mohammad and others. The House bill contained no similar provision.

The agreement retains a provision which prohibits funds to transfer any individual detained at Guantanamo Bay, Cuba to a country of origin or other foreign country or entity unless the Secretary of Defense makes certain certifications. The House bill contained no similar provision.

The agreement includes a provision proposed by the House which limits funding to Rosoboronexport.

The agreement retains a provision proposed by the House which prohibits funds from being used for the purchase or manufacture of a United States flag unless such flags are treated as covered items under section 2533a(b) of title 10, U.S.C.

The agreement retains a provision which prohibits funds to construct, acquire, or modify any facility in the United States, its territories, or possessions to house any Guantanamo Bay detainee, with certain exceptions. The House bill contained no similar provision.

The agreement modifies a new provision which authorizes the use of funds in the Shipbuilding and Conversion, Navy account to purchase two used auxiliary vessels for the National Defense Reserve Fleet. The House bill contained no similar provision.

The agreement retains a provision proposed by the House which requires the Secretary of Defense to post grant awards on a public website in a searchable format.

The agreement modifies a provision proposed by the House regarding the reduction and reprogramming of funds to the Rapid Prototyping Fund.

The agreement includes a provision which provides funding for the National Defense Reserve Fleet. The House bill contained a similar provision.

The agreement includes a provision which requires the Secretary to submit reports regarding the National Instant Criminal Background Check System. The House bill contained no similar provision.

The agreement retains a provision which prohibits funds from the Department of Defense Acquisition Workforce Development Account to be transferred to the Rapid Prototyping Fund or credited to a military-department specific fund. The House bill contained a similar provision.

The agreement retains a provision proposed by the House which prohibits the use of funds for gaming or entertainment that involves nude entertainers.

The agreement includes a provision proposed by the House which prohibits funding to deliver F–35 aircraft to Turkey, except in accordance with the National Defense Authorization Act for Fiscal Year 2020.

The agreement does not include a provision proposed by the House which provides reprogramming authority for the Global Engagement Center.

The agreement retains a provision proposed by the House which makes funds available through the Office of Economic Adjustment for transfer to the Secretary of Education, to make grants to construct, renovate, repair, or expand elementary and secondary public schools on military installations.

The agreement retains a provision which prohibits the use of funds to carry out the closure or realignment of Guantanamo Bay, Cuba. The House bill contained no similar provision.

The agreement retains a provision proposed by the House which removes limits on certain types of assisted reproductive services.

The agreement retains a provision which prohibits funds for equipment for ceremonial honors. The House bill contained a similar provision.

The agreement retains a provision proposed by the House which allows death gratuity payments as authorized in subchapter II of chapter 75 of title 10, United States Code.

The agreement modifies a provision proposed by the House which prohibits funds from being used to transfer the National Reconnaissance Office to the Space Force.

The agreement modifies a new provision proposed by the House that prohibits funds from being used to transfer certain Department of Defense components to the Space Force.

The agreement includes a new provision that provides funds appropriated for military personnel matters to be used for members of the Space Force. The House bill contained a similar provision.

The agreement modifies a provision proposed by the House which reduces funding due to favorable foreign exchange rates.

The agreement includes a new provision which reduces funding due to fuel savings. The House bill contained a similar provision.

The agreement does not retain a provision regarding Army use of CH–47 reimbursements.

The agreement does not retain a provision proposed by the House that prohibits funds from being used to exclude or implement the exclusion of the Department of Defense from cover under the Federal Service Labor Management Relations Statute.

The agreement does not retain a new provision proposed by the House that requires the Secretary of Defense to provide information and documents regarding the massacre in El Mozote.

The agreement modifies a new provision proposed by the House regarding a pilot program for software and digital technology.

The agreement does not retain a provision proposed by the House which requires the Secretary of Defense to report on deployed personnel by each geographic combatant command.

The agreement does not retain a provision proposed by the House which requires the Secretary of Defense to provide notification before the deployment of security force assistance brigades.

The agreement includes a new provision which provides funding to assess and strengthen the manufacturing and defense industrial base and supply chain resiliency. The House bill contained no similar provision.

The agreement modifies a new provision which provides funding to improve readiness. The House bill contained no similar provision.

The agreement does not retain a new provision proposed by the House which provides funds for grants for public healthcare professionals on Guam.

The agreement modifies a new provision proposed by the House which prohibits funds for the various elements of development and design of certain future naval ships unless any contract specifies that all auxiliary equipment, including pumps and propulsion shafts are manufactured in the United States.

The agreement modifies a new provision proposed by the House which prohibits funds for the decommissioning the USS FORT WORTH or the USS CORONADO.

The agreement does not retain a provision proposed by the House which requires the Secretary of Defense to provide notification of deployments of Armed forces to locations outside the United States.

The agreement does not retain a new provision proposed by the House which prohibits funding from being used in a manner that does not comply with the requirements in section 365 of the George Floyd Justice in Policing Act of 2020.

The agreement does not retain a new provision proposed by the House which prohibits the use of funds to conduct or prepare for any explosive nuclear weapons test that produces any yield.

The agreement does not retain a new provision proposed by the House which prohibits funds by this Act or any prior Act to construct a wall, fence, border barriers, or border security infrastructure along the southern land border of the United States.

The agreement does not retain a new provision proposed by the House which requires fiscal year 2020 funds that were transferred by the Department and remain unobligated be returned to their original accounts, notwithstanding the transfer authority provided by section 8005.

The agreement does not retain a new provision proposed by the House which prohibits funds for members of the Armed Forces serving on active duty in support of security or

immigration enforcement operations at the southern border unless the agency requesting such support enters into an agreement with the Secretary of Defense to reimburse the Department of Defense for all costs incurred by the Department to provide such services.

The agreement modifies a new provision proposed by the House which provides funding for mitigation of military aircraft noise.

The agreement does not retain a new provision proposed by the House which prohibits the use of funds to provide guidance on, review, prepare, approve, or recommend budget request funding levels or initiatives for the Department of Energy.

The agreement does not retain a new provision proposed by the House which provides funding for renaming Army installations, facilities, roads, and streets named after confederate leaders and officers.

The agreement adds a new provision which prohibits funds for the retirement or divestiture of the RQ–4 Global Hawk Block 30 and Block 40 aircraft.

The agreement adds a new provision prohibiting funds for the lease of an icebreaking vessel unless certain conditions are met.

TITLE IX—OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM

The agreement provides $68,650,000,000 in Title IX, Overseas Contingency Operations/Global War on Terrorism.

MILITARY PERSONNEL

The agreement provides $4,602,593,000 for Military Personnel, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

M-1	Budget Request	Final Bill
MILITARY PERSONNEL, ARMY		
BA-1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	450,089	450,089
RETIRED PAY ACCRUAL	121,524	121,524
BASIC ALLOWANCE FOR HOUSING	121,394	121,394
BASIC ALLOWANCE FOR SUBSISTENCE	16,302	16,302
INCENTIVE PAYS	2,379	2,379
SPECIAL PAYS	25,555	25,555
ALLOWANCES	16,194	16,194
SEPARATION PAY	2,543	2,543
SOCIAL SECURITY TAX	34,432	34,432
TOTAL, BA-1	790,412	790,412
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	777,103	777,103
RETIRED PAY ACCRUAL	209,818	209,818
BASIC ALLOWANCE FOR HOUSING	369,533	369,533
INCENTIVE PAYS	1,270	1,270
SPECIAL PAYS	66,121	66,121
ALLOWANCES	45,638	45,638
SEPARATION PAY	4,105	4,105
SOCIAL SECURITY TAX	59,449	59,449
TOTAL, BA-2	1,533,037	1,533,037
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	88,317	88,317
SUBSISTENCE-IN-KIND	297,516	297,516
TOTAL, BA-4	385,833	385,833
BA-5: PERMANENT CHANGE OF STATION TRAVEL		
OPERATIONAL TRAVEL	4,456	4,456
ROTATIONAL TRAVEL	1,055	1,055
TOTAL, BA-5	5,511	5,511
BA-6: OTHER MILITARY PERSONNEL COSTS		
INTEREST ON UNIFORMED SERVICES SAVINGS	4,035	4,035
DEATH GRATUITIES	3,100	3,100
UNEMPLOYMENT BENEFITS	19,375	19,375
SGLI EXTRA HAZARD PAYMENTS	6,730	6,730
TOTAL, BA-6	33,240	33,240
TOTAL, MILITARY PERSONNEL, ARMY	2,748,033	2,748,033

M-1	Budget Request	Final Bill
MILITARY PERSONNEL, NAVY		
BA-1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	76,596	76,596
RETIRED PAY ACCRUAL	20,681	20,681
BASIC ALLOWANCE FOR HOUSING	25,367	25,367
BASIC ALLOWANCE FOR SUBSISTENCE	2,444	2,444
INCENTIVE PAYS	432	432
SPECIAL PAYS	3,647	3,647
ALLOWANCES	7,199	7,199
SOCIAL SECURITY TAX	5,860	5,860
TOTAL, BA-1	142,226	142,226
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	87,750	87,750
RETIRED PAY ACCRUAL	23,692	23,692
BASIC ALLOWANCE FOR HOUSING	46,929	46,929
INCENTIVE PAYS	105	105
SPECIAL PAYS	7,849	7,849
ALLOWANCES	14,581	14,581
SOCIAL SECURITY TAX	6,713	6,713
TOTAL, BA-2	187,619	187,619
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	9,176	9,176
SUBSISTENCE-IN-KIND	21,664	21,664
TOTAL, BA-4	30,840	30,840
BA-5: PERMANENT CHANGE OF STATION TRAVEL		
ACCESSION TRAVEL	6,202	6,202
OPERATIONAL TRAVEL	60	60
ROTATIONAL TRAVEL	128	128
SEPARATION TRAVEL	5,804	5,804
TOTAL, BA-5	12,194	12,194
BA-6: OTHER MILITARY PERSONNEL COSTS		
UNEMPLOYMENT BENEFITS	7,673	7,673
SGLI EXTRA HAZARD PAYMENTS	1,734	1,734
TOTAL, BA-6	9,407	9,407
TOTAL, MILITARY PERSONNEL, NAVY	382,286	382,286
MILITARY PERSONNEL, MARINE CORPS		
BA-1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	25,398	25,398
RETIRED PAY ACCRUAL	6,858	6,858
BASIC ALLOWANCE FOR HOUSING	8,861	8,861
BASIC ALLOWANCE FOR SUBSISTENCE	820	820
INCENTIVE PAYS	255	255
SPECIAL PAYS	1,059	1,059
ALLOWANCES	1,338	1,338

M-1	Budget Request	Final Bill
SEPARATION PAY	433	433
SOCIAL SECURITY TAX	1,942	1,942
TOTAL, BA-1	46,964	46,964
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	33,876	33,876
RETIRED PAY ACCRUAL	9,148	9,148
BASIC ALLOWANCE FOR HOUSING	21,206	21,206
INCENTIVE PAYS	18	18
SPECIAL PAYS	5,630	5,630
ALLOWANCES	3,932	3,932
SEPARATION PAY	705	705
SOCIAL SECURITY TAX	2,591	2,591
TOTAL, BA-2	77,106	77,106
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	3,881	3,881
TOTAL, BA-4	3,881	3,881
BA-6: OTHER MILITARY PERSONNEL COSTS		
INTEREST ON UNIFORMED SERVICES SAVINGS	250	250
SGLI EXTRA HAZARD PAYMENTS	1,742	1,742
TOTAL, BA-6	1,992	1,992
TOTAL, MILITARY PERSONNEL, MARINE CORPS	129,943	129,943
MILITARY PERSONNEL, AIR FORCE		
BA-1: PAY AND ALLOWANCES OF OFFICERS		
BASIC PAY	131,426	131,426
RETIRED PAY ACCRUAL	35,485	35,485
BASIC ALLOWANCE FOR HOUSING	41,038	41,038
BASIC ALLOWANCE FOR SUBSISTENCE	4,221	4,221
SPECIAL PAYS	5,211	5,211
ALLOWANCES	5,547	5,547
SOCIAL SECURITY TAX	10,054	10,054
TOTAL, BA-1	232,982	232,982
BA-2: PAY AND ALLOWANCES OF ENLISTED PERSONNEL		
BASIC PAY	347,182	347,182
RETIRED PAY ACCRUAL	93,739	93,739
BASIC ALLOWANCE FOR HOUSING	147,758	147,758
SPECIAL PAYS	23,799	23,799
ALLOWANCES	26,472	26,472
SOCIAL SECURITY TAX	26,559	26,559
TOTAL, BA-2	665,509	665,509

M-1	Budget Request	Final Bill
BA-4: SUBSISTENCE OF ENLISTED PERSONNEL		
BASIC ALLOWANCE FOR SUBSISTENCE	34,678	34,678
SUBSISTENCE-IN-KIND	130,371	130,371
TOTAL, BA-4	165,049	165,049
BA-6: OTHER MILITARY PERSONNEL COSTS		
DEATH GRATUITIES	200	200
UNEMPLOYMENT BENEFITS	8,447	8,447
SGLI EXTRA HAZARD PAYMENTS	4,981	4,981
TOTAL, BA-6	13,628	13,628
TOTAL, MILITARY PERSONNEL, AIR FORCE	1,077,168	1,077,168
RESERVE PERSONNEL, ARMY		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	33,414	33,414
TOTAL, BA-1	33,414	33,414
TOTAL, RESERVE PERSONNEL, ARMY	33,414	33,414
RESERVE PERSONNEL, NAVY		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	11,771	11,771
TOTAL, BA-1	11,771	11,771
TOTAL, RESERVE PERSONNEL, NAVY	11,771	11,771
RESERVE PERSONNEL, MARINE CORPS		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	2,001	2,001
ADMINISTRATION AND SUPPORT	47	47
TOTAL, BA-1	2,048	2,048
TOTAL, RESERVE PERSONNEL, MARINE CORPS	2,048	2,048
RESERVE PERSONNEL, AIR FORCE		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	16,816	16,816
TOTAL, BA-1	16,816	16,816
TOTAL, RESERVE PERSONNEL, AIR FORCE	16,816	16,816

M-1	Budget Request	Final Bill
NATIONAL GUARD PERSONNEL, ARMY		
BA-1: UNIT AND INDIVIDUAL TRAINING		
PAY GROUP A TRAINING (15 DAYS and DRILLS 24/48)	62,718	62,718
SCHOOL TRAINING	3,752	3,752
SPECIAL TRAINING	107,242	107,242
ADMINISTRATION AND SUPPORT	21,602	21,602
TOTAL, BA-1	195,314	195,314
TOTAL, NATIONAL GUARD PERSONNEL, ARMY	195,314	195,314
NATIONAL GUARD PERSONNEL, AIR FORCE		
BA-1: UNIT AND INDIVIDUAL TRAINING		
SPECIAL TRAINING	5,800	5,800
TOTAL, BA-1	5,800	5,800
TOTAL, NATIONAL GUARD PERSONNEL, AIR FORCE	5,800	5,800
TOTAL, MILITARY PERSONNEL	4,602,593	4,602,593

OPERATION AND MAINTENANCE

The agreement provides $58,832,051,000 for Operation and Maintenance, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

O-1		Budget Request	Final Bill
	OPERATION AND MAINTENANCE, ARMY		
111	**MANEUVER UNITS**	4,114,001	3,764,001
	Insufficient justification		-100,000
	Reduce program growth - Dynamic Force Employment		-250,000
113	**ECHELONS ABOVE BRIGADE**	32,811	32,811
114	**THEATER LEVEL ASSETS**	2,542,760	2,497,760
	Unjustified growth		-45,000
115	**LAND FORCES OPERATIONS SUPPORT**	162,557	147,557
	Unjustified growth		-15,000
116	**AVIATION ASSETS**	204,396	204,396
121	**FORCE READINESS OPERATIONS SUPPORT**	5,716,734	6,616,734
	Unjustified growth		-100,000
	Transfer from title II		1,000,000
122	**LAND FORCES SYSTEMS READINESS**	180,048	150,048
	Unjustified growth		-30,000
123	**LAND FORCES DEPOT MAINTENANCE**	81,125	81,125
131	**BASE OPERATIONS SUPPORT**	219,029	194,029
	Insufficient justification		-25,000
132	**FACILITIES SUSTAINMENT, RESTORATION AND MODERNIZATION**	301,017	226,017
	Insufficient justification		-75,000
135	**ADDITIONAL ACTIVITIES**	966,649	966,649
136	**COMMANDERS' EMERGENCY RESPONSE PROGRAM**	2,500	2,000
	Excess to need		-500
137	**RESET**	403,796	403,796
141	**US AFRICA COMMAND**	100,422	100,422
142	**US EUROPEAN COMMAND**	120,043	120,043
151	**CYBERSPACE ACTIVITIES - CYBERSPACE OPERATIONS**	98,461	98,461
153	**CYBERSPACE ACTIVITIES - CYBERSECURITY**	21,256	21,256
212	**ARMY PREPOSITIONED STOCK**	103,052	103,052

O-1	Budget Request	Final Bill
321 SPECIALIZED SKILL TRAINING	89,943	89,943
324 TRAINING SUPPORT	2,550	2,550
421 SERVICEWIDE TRANSPORTATION	521,090	521,090
422 CENTRAL SUPPLY ACTIVITIES	43,897	43,897
423 LOGISTICS SUPPORT ACTIVITIES	68,423	68,423
424 AMMUNITION MANAGEMENT	29,162	29,162
432 SERVICEWIDE COMMUNICATIONS	11,447	11,447
434 OTHER PERSONNEL SUPPORT	5,839	5,839
437 REAL ESTATE MANAGEMENT	48,782	48,782
441 INTERNATIONAL MILITARY HEADQUARTERS	50,000	50,000
411 OTHER PROGRAMS	895,964	895,964
TOTAL, OPERATION AND MAINTENANCE, ARMY	17,137,754	17,497,254
OPERATION AND MAINTENANCE, NAVY		
1A1A MISSION AND OTHER FLIGHT OPERATIONS	382,062	375,062
Insufficient justification		-7,000
1A3A AVIATION TECHNICAL DATA & ENGINEERING SVCS	832	832
1A4A AIR OPERATIONS AND SAFETY SUPPORT	17,840	17,840
1A4N AIR SYSTEMS SUPPORT	210,692	210,692
1A5A AIRCRAFT DEPOT MAINTENANCE	170,580	170,580
1A6A AIRCRAFT DEPOT OPERATIONS SUPPORT	5,854	5,854
1A9A AVIATION LOGISTICS	33,707	26,707
Insufficient justification		-7,000
1B1B MISSION AND OTHER SHIP OPERATIONS	5,817,696	5,686,556
Insufficient justification		-140,000
Program increase only for USS FORT WORTH and USS CORONADO		8,860
1B2B SHIP OPERATIONS SUPPORT & TRAINING	20,741	20,741
1B4B SHIP DEPOT MAINTENANCE	2,072,470	3,089,893
Transfer from title II		1,017,423

O-1	Budget Request	Final Bill
1C1C COMBAT COMMUNICATIONS	59,254	59,254
1C3C SPACE SYSTEMS AND SURVEILLANCE	18,000	18,000
1C4C WARFARE TACTICS	17,324	17,324
1C5C OPERATIONAL METEOROLOGY AND OCEANOGRAPHY	22,581	22,581
1C6C COMBAT SUPPORT FORCES	772,441	757,441
Insufficient justification		-15,000
1C7C EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT	5,788	5,788
1CCM COMBATANT COMMANDERS DIRECT MISSION SUPPORT	24,800	24,800
1CCY CYBERSPACE ACTIVITIES	369	369
1D4D WEAPONS MAINTENANCE	567,247	578,022
Transfer from title II		10,775
1D7D OTHER WEAPON SYSTEMS SUPPORT	12,571	12,571
BSM1 FSRM	70,041	70,041
BSS1 BASE OPERATING SUPPORT	218,792	218,792
2C1H EXPEDITIONARY HEALTH SERVICES SYSTEMS	22,589	22,589
3B1K SPECIALIZED SKILL TRAINING	53,204	53,204
4A1M ADMINISTRATION	9,983	9,983
4A4M MILITARY MANPOWER AND PERSONNEL MANAGEMENT	7,805	7,805
4B1N SERVICEWIDE TRANSPORTATION	72,097	72,097
4B3N ACQUISITION AND PROGRAM MANAGEMENT	11,354	11,354
4C1P INVESTIGATIVE AND SECURITY SERVICES	1,591	1,591
TOTAL, OPERATION AND MAINTENANCE, NAVY	10,700,305	11,568,363
OPERATION AND MAINTENANCE, MARINE CORPS		
1A1A OPERATIONAL FORCES	727,989	744,056
Insufficient justification		-22,000
Transfer from title II - European Deterrence Initiative full request		38,067
1A2A FIELD LOGISTICS	195,001	185,001
Program decreases unaccounted for		-10,000

O-1	Budget Request	Final Bill
1A3A DEPOT MAINTENANCE	55,183	55,183
1CCY CYBERSPACE ACTIVITIES	10,000	10,000
BSS1 BASE OPERATING SUPPORT	24,569	24,569
3B4D TRAINING SUPPORT	28,458	28,458
4A3G SERVICEWIDE TRANSPORTATION	61,400	61,400
TOTAL, OPERATION AND MAINTENANCE, MARINE CORPS	1,102,600	1,108,667
OPERATION AND MAINTENANCE, AIR FORCE		
11A PRIMARY COMBAT FORCES	125,551	121,551
Insufficient justification		-4,000
11C COMBAT ENHANCEMENT FORCES	916,538	881,538
Insufficient justification		-35,000
11D AIR OPERATIONS TRAINING	93,970	93,970
11M DEPOT MAINTENANCE	3,528,059	3,460,059
Insufficient justification		-75,000
Program increase - RQ-4B		7,000
11R REAL PROPERTY MAINTENANCE	147,264	147,264
11V CYBERSPACE SUSTAINMENT	10,842	10,842
11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	7,187,100	7,987,100
Insufficient justification		-200,000
Transfer from title II		1,000,000
11Y FLYING HOUR PROGRAM	2,031,548	2,015,548
Insufficient justification		-16,000
11Z BASE OPERATING SUPPORT	1,540,444	1,495,444
Insufficient justification		-45,000
12A GLOBAL C3I AND EARLY WARNING	13,709	13,709
12C OTHER COMBAT OPS SPT PROGRAMS	345,800	348,800
Department requested transfer from line 44A		28,000
Unjustified growth		-25,000
12D CYBERSPACE ACTIVITIES	17,936	17,936
12F TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES	36,820	36,820
13A LAUNCH FACILITIES	70	70

O-1		Budget Request	Final Bill
13C	SPACE CONTROL SYSTEMS	1,450	1,450
15C	US NORTHCOM/NORAD	725	725
15D	US STRATCOM	856	856
15E	US CYBERCOM	35,189	35,189
15F	US CENTCOM	126,934	156,134
	Department requested transfer from line 42G		44,200
	Unjustified request for OSC-I		-15,000
21A	AIRLIFT OPERATIONS	1,271,439	1,261,439
	Insufficient justification		-10,000
21D	MOBILIZATION PREPAREDNESS	120,866	120,866
31A	OFFICER ACQUISITION	200	200
31B	RECRUIT TRAINING	352	352
32A	SPECIALIZED SKILL TRAINING	27,010	27,010
32B	FLIGHT TRAINING	844	844
32C	PROFESSIONAL DEVELOPMENT EDUCATION	1,199	1,199
32D	TRAINING SUPPORT	1,320	1,320
41A	LOGISTICS OPERATIONS	164,701	164,701
41B	TECHNICAL SUPPORT ACTIVITIES	11,782	11,782
42A	ADMINISTRATION	3,886	3,886
42B	SERVICEWIDE COMMUNICATIONS	355	355
42G	OTHER SERVICEWIDE ACTIVITIES	100,831	56,631
	Department requested transfer to line 15F		-44,200
44A	INTERNATIONAL SUPPORT	29,928	1,928
	Department requested transfer to line 12C		-28,000
43A	OTHER PROGRAMS	34,502	34,502
UND	UNJUSTIFIED GROWTH		-50,000
UND	PROGRAM DECREASE UNACCOUNTED FOR		-30,000
	TOTAL, OPERATION AND MAINTENANCE, AIR FORCE	17,930,020	18,432,020

O-1		Budget Request	Final Bill
	OPERATION AND MAINTENANCE, SPACE FORCE		
12A	GLOBAL C3I & EARLY WARNING	227	227
13A	SPACE LAUNCH OPERATIONS	321	321
13C	SPACE OPERATIONS	15,135	15,135
13M	DEPOT MAINTENANCE	18,268	18,268
13W	CONTRACTOR LOGISTICS & SYSTEMS SUPPORT	43,164	43,164
	TOTAL, OPERATION AND MAINTENANCE, SPACE FORCE	77,115	77,115
	OPERATION AND MAINTENANCE, DEFENSE-WIDE		
1PL1	JOINT CHIEFS OF STAFF	3,799	3,799
8PL1	JOINT CHIEFS OF STAFF CE2T2	6,634	6,634
1PL6	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES	898,024	900,984
	Program increase - combat loss replacement		2,960
1PLU	SPECIAL OPERATIONS COMMAND INTELLIGENCE	1,244,553	1,253,618
	Program increase - classified adjustment		10,000
	Repricing SOFIS contractor FTE		-935
1PL7	SPECIAL OPERATIONS COMMAND MAINTENANCE	354,951	354,284
	Inflation unaccounted for in program elimination		-667
1PLV	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT	104,535	104,535
1PLR	SPECIAL OPERATIONS COMMAND THEATER FORCES	757,744	751,244
	Excess to need - Section 1202/maintain program affordability		-6,500
4GT6	DEFENSE CONTRACT AUDIT AGENCY	1,247	1,247
4GTO	DEFENSE CONTRACT MANAGEMENT AGENCY	21,723	21,723
4GTJ	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY	0	13,247
	Program increase - defense-wide review reductions funding restoration		13,247
4GT9	DEFENSE INFORMATION SYSTEMS AGENCY	56,256	81,133
	Program increase		24,877
4GU9	DEFENSE INFORMATION SYSTEMS AGENCY - CYBER	3,524	3,524
4GTA	DEFENSE LEGAL SERVICES AGENCY	156,373	151,373
	Program decrease unaccounted for		-5,000

O-1	Budget Request	Final Bill
ES18 DEFENSE MEDIA ACTIVITY	3,555	14,377
Program increase - defense-wide review reductions funding restoration		10,822
4GTD DEFENSE SECURITY COOPERATION AGENCY	1,557,763	1,528,603
Program increase - International Security Cooperation Programs with countries in AFRICOM		55,840
Program increase - International Security Cooperation Programs - EUCOM - Baltic Security Initiative		25,000
Program increase - Ukraine Security Assistance Initiative		25,000
Transfer from Counter-ISIS Train and Equip Fund to International Security Cooperation Programs - CENTCOM - Iraq		45,000
Program adjustment - Lift and Sustain Program		-100,000
Program adjustment - Coalition Support Funds		-80,000
4GTI DEFENSE THREAT REDUCTION AGENCY	297,486	297,486
4GTN OFFICE OF THE SECRETARY OF DEFENSE	16,984	16,984
4GTQ WASHINGTON HEADQUARTERS SERVICES	1,997	1,997
999 OTHER PROGRAMS	535,106	535,106
TOTAL, OPERATION AND MAINTENANCE, DEFENSE-WIDE	6,022,254	6,041,898
OPERATION AND MAINTENANCE, ARMY RESERVE		
113 ECHELONS ABOVE BRIGADE	17,193	17,193
121 FORCES READINESS OPERATIONS SUPPORT	440	440
131 BASE OPERATIONS SUPPORT	15,766	15,766
TOTAL, OPERATION AND MAINTENANCE, ARMY RESERVE	33,399	33,399
OPERATION AND MAINTENANCE, NAVY RESERVE		
1A3A INTERMEDIATE MAINTENANCE	522	522
1A5A AIRCRAFT DEPOT MAINTENANCE	11,861	11,861
1C6C COMBAT SUPPORT FORCES	9,109	9,109
TOTAL, OPERATION AND MAINTENANCE, NAVY RESERVE	21,492	21,492

O-1	Budget Request	Final Bill
OPERATION AND MAINTENANCE, MARINE CORPS RESERVE		
1A1A OPERATING FORCES	7,627	7,627
BSS1 BASE OPERATING SUPPORT	1,080	1,080
TOTAL, OPERATION & MAINTENANCE, MARINE CORPS RESERVE	8,707	8,707
OPERATION AND MAINTENANCE, AIR FORCE RESERVE		
11M DEPOT MAINTENANCE	24,408	24,408
11Z BASE OPERATING SUPPORT	5,682	5,682
TOTAL, OPERATION AND MAINTENANCE, AIR FORCE RESERVE	30,090	30,090
OPERATION AND MAINTENANCE, ARMY NATIONAL GUARD		
111 MANEUVER UNITS	25,746	25,746
112 MODULAR SUPPORT BRIGADES	40	40
113 ECHELONS ABOVE BRIGADE	983	983
114 THEATER LEVEL ASSETS	22	22
116 AVIATION ASSETS	20,624	20,624
121 FORCE READINESS OPERATIONS SUPPORT	7,914	7,914
131 BASE OPERATIONS SUPPORT	24,417	24,417
432 SERVICEWIDE COMMUNICATIONS	46	46
TOTAL, OPERATION & MAINTENANCE, ARMY NATIONAL GUARD	79,792	79,792
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD		
11G MISSION SUPPORT OPERATIONS	3,739	3,739
11M DEPOT MAINTENANCE	61,862	61,862
11W CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT	97,108	97,108
11Z BASE SUPPORT	12,933	12,933
TOTAL, OPERATION & MAINTENANCE, AIR NATIONAL GUARD	175,642	175,642

O-1	Budget Request	Final Bill
AFGHANISTAN SECURITY FORCES FUND		
Afghan National Army	**1,235,067**	**1,235,067**
Sustainment	1,065,932	1,065,932
Infrastructure	64,501	64,501
Equipment and Transportation	47,854	47,854
Training and Operations	56,780	56,780
Afghan National Police	**602,172**	**602,172**
Sustainment	434,500	434,500
Infrastructure	448	448
Equipment and Transportation	108,231	108,231
Training and Operations	58,993	58,993
Afghan Air Force	**835,924**	**835,924**
Sustainment	534,102	534,102
Infrastructure	9,532	9,532
Equipment and Transportation	58,487	58,487
Training and Operations	233,803	233,803
Afghan Special Security Forces	**1,342,449**	**1,342,449**
Sustainment	680,024	680,024
Infrastructure	2,532	2,532
Equipment and Transportation	486,808	486,808
Training and Operations	173,085	173,085
Undistributed Reduction		**-968,000**
TOTAL, AFGHANISTAN SECURITY FORCES FUND	**4,015,612**	**3,047,612**
COUNTER-ISIS TRAIN AND EQUIP FUND		
Iraq Train and Equip	**645,000**	**510,000**
Program decrease		-90,000
Transfer to International Security Cooperation Programs		-45,000
Syria Train and Equip	**200,000**	**200,000**
TOTAL, COUNTER-ISIS TRAIN AND EQUIP FUND	**845,000**	**710,000**
TOTAL, OPERATION AND MAINTENANCE	**58,179,782**	**58,832,051**

BALTIC SECURITY INITIATIVE

The agreement supports the Baltic states of Estonia, Latvia, and Lithuania through the Baltic Security Initiative. The agreement includes the budget request of $143,712,500 and an additional $25,000,000, for a total of $168,712,500 in International Security Cooperation Programs for the Initiative. The budget request included $45,000,000 for Baltic air defense programs which shall not be subject to International Security Cooperation Program prior notification requirements. Funds provided above the budget request also shall not be subject to prior notification requirements. The Secretary of Defense shall provide, not later than 90 days after the enactment of this Act, a spend plan for the use of the additional funds. Additionally, not later than 180 days after the enactment of this Act, the Secretary of Defense, in coordination with the Secretary of State, is directed to submit a multi-year strategy and spend plan to the congressional defense committees for the Baltic Security Initiative describing the goals, objectives, and milestones for programs such as air defense, maritime situational awareness, ammunition, special forces, and C4ISR, and the benefits of such programs for deterrence. The strategy shall also include information on the capabilities of each country and their financial contributions towards their own security, the NATO alliance, and programs supported by the Initiative.

EFFORTS TO MINIMIZE CIVILIAN CASUALTIES

The agreement supports efforts by the Department of Defense to minimize civilian casualties and fully funds the request for resources to improve tracking of civilian casualties.

EX GRATIA PAYMENTS

The agreement includes sufficient funding for the Office of the Secretary of Defense under the Operation and Maintenance, Defense-Wide appropriation, 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).

AFGHANISTAN SECURITY FORCES FUND

The agreement does not include funding for major capital projects, major upgrades, or the procurement of new systems, including the request for ten CH–47 helicopters.

The Secretary of Defense is directed to continue to provide budget justification materials that include the budget request amount, the appropriated amount, and the obligation amount by line item, for the prior two fiscal years. In addition, concurrent with the submission of each financial activity plan (FAP), the Secretary of Defense shall provide the congressional defense committees with line item detail of planned funding movements within each sub-activity group using line item titles from the appropriate year's budget justification submission. Any line item that did not appear in the budget justification submission shall be delineated as a new line item in the line item detail accompanying the FAP.

COUNTER-ISIS TRAIN AND EQUIP FUND

The agreement continues support under this heading for the Iraqi Security Forces, Kurdish Peshmerga, and the Syrian Democratic Forces to participate in activities to counter ISIS and associated groups. This includes stipend support to the Ministry of Peshmerga Affairs, if necessary, to ensure the Peshmerga's continued ability to conduct operations against ISIS. The agreement also continues the requirement that the Secretary of Defense ensure elements are appropriately vetted and receiving commitments from them to promote respect for human rights and the rule of law.

No funds were requested for the Badr Organization or for the Iraqi Popular Mobilization Forces and none are provided by this Act.

ENHANCED BORDER SECURITY FUNDING

The agreement continues to provide funding to reimburse partner nations for expenses incurred to enhance border security. Changes made to the Act to combine border security funding sources are intended to simplify Department of Defense accounting and streamline congressional oversight, thereby ensuring full visibility into the funding requirements of recipient countries. The agreement includes $250,000,000 for border security reimbursements. This is in addition to fiscal year 2020 funds that remain in the Counter-ISIS Train and Equip Fund that can be used for border security reimbursements in fiscal year 2021. The agreement encourages the Secretary of Defense to submit future budget requests in amounts that ensure that the reimbursements needs of all recipient countries are fully met.

JORDAN

The agreement includes funding at levels consistent with prior years for Jordan.

PROCUREMENT

The agreement provides $6,370,713,000 for Procurement, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

P-1		Budget Request	Final Bill
	AIRCRAFT PROCUREMENT, ARMY		
2	**MQ-1 UAV**	0	110,000
	Program increase - additional aircraft		110,000
9	**AH-64 APACHE BLOCK IIIB NEW BUILD**	69,154	69,154
14	**CH-47**	50,472	50,472
17	**MQ-1 PAYLOAD**	5,968	0
	Justification does not match need		-5,968
20	**MULTI SENSOR ABN RECON**	122,520	122,520
26	**EMARSS SEMA MODS**	26,460	26,460
30	**DEGRADED VISUAL ENVIRONMENT**	1,916	1,916
33	**RQ-7 UAV MODS**	0	30,000
	Program increase		30,000
37	**CMWS**	149,162	149,162
38	**COMMON INFRARED COUNTERMEASURES (CIRCM)**	32,400	32,400
41	**AIRCREW INTEGRATED SYSTEMS**	3,028	3,028
	TOTAL, AIRCRAFT PROCUREMENT, ARMY	461,080	595,112
	MISSILE PROCUREMENT, ARMY		
2	**M-SHORAD**	158,300	158,300
3	**MSE MISSILE**	176,585	176,585
6	**HELLFIRE SYSTEM SUMMARY**	236,265	236,265
11	**GUIDED MLRS ROCKET (GMLRS)**	127,015	127,015
15	**LETHAL MINIATURE AERIAL MISSILE SYSTEM**	84,993	0
	Acquisition strategy		-84,993
17	**ATACMS MODS**	78,434	78,434
22	**MLRS MODS**	20,000	20,000
	TOTAL, MISSILE PROCUREMENT, ARMY	881,592	796,599

P-1		Budget Request	Final Bill
	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY		
16	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYS	4,765	4,765
19	MORTAR SYSTEMS	10,460	10,460
	TOTAL, PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY	15,225	15,225
	PROCUREMENT OF AMMUNITION, ARMY		
1	CTG, 5.56MM, ALL TYPES	567	567
2	CTG, 7.62MM, ALL TYPES	40	40
4	CTG, HANDGUN, ALL TYPES	17	17
5	CTG, .50 CAL, ALL TYPES	189	189
7	CTG, 30MM, ALL TYPES	24,900	24,900
16	PROJ 155MM EXTENDED RANGE M982	29,213	22,420
	E80103 unit cost savings		-6,793
17	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL TYPES	21,675	21,675
20	SHOULDER LAUNCHED MUNITIONS, ALL TYPES	176	176
21	ROCKET, HYDRA 70, ALL TYPES	33,880	33,880
29	ITEMS LESS THAN $5M (AMMO)	11	11
	TOTAL, PROCUREMENT OF AMMUNITION, ARMY	110,668	103,875
	OTHER PROCUREMENT, ARMY		
13	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV)	6,500	6,500
14	PLS ESP	15,163	13,375
	Anticipated unit cost savings		-1,788
17	TACTICAL WHEELED VEHICLE PROTECTION KITS	27,066	27,066
30	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS	2,700	3,700
	Program increase - AFRICOM		1,000
32	ASSURED POSITIONING, NAVIGATION AND TIMING	12,566	12,566
33	SMART-T (SPACE)	289	289
34	GLOBAL BROADCAST SERVICE (GBS)	319	319
37	HANDHELD MANPACK SMALL FORM FIT (HMS)	0	1,500
	Program increase - AFRICOM combat communications		1,500

P-1		Budget Request	Final Bill
45	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE	1,257	1,257
48	CI AUTOMATION ARCHITECTURE	1,230	1,230
52	COMMUNICATIONS SECURITY (COMSEC)	128	128
57	BASE SUPPORT COMMUNICATIONS	0	1,000
	Program increase - AFRICOM long haul communications		1,000
58	INFORMATION SYSTEMS	15,277	15,277
62	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM	74,004	74,004
68	DCGS-A	47,709	47,709
70	TROJAN	1,766	1,766
71	MOD OF IN-SVC EQUIPMENT (INTEL SUPPORT)	61,450	61,450
73	BIOMETRIC TACTICAL COLLECTION DEVICES	12,337	12,337
80	FAMILY OF PERSISTENT SURVEILLANCE CAP	44,293	42,043
	Unjustified baseline avionics kit cost growth		-2,250
81	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES	49,100	40,913
	Reduce prior year carryover		-8,187
83	SENTINEL MODS	33,496	33,496
84	NIGHT VISION DEVICES	643	643
87	RADIATION MONITORING SYSTEMS	11	0
	Excess to need		-11
88	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS	37,000	41,000
	Program increase - AFRICOM		4,000
94	COMPUTER BALLISTICS: LHMBC XM32	280	280
95	MORTAR FIRE CONTROL SYSTEM	13,672	13,672
100	AIR AND MSL DEFENSE PLANNING & CONTROL SYS	15,143	15,143
109	ARMY TRAINING MODERNIZATION	4,688	4,688
110	AUTOMATED DATA PROCESSING EQUIPMENT	16,552	16,552
121	FAMILY OF NON-LETHAL EQUIPMENT (FNLE)	25,480	25,480
122	BASE DEFENSE SYSTEMS (BDS)	98,960	98,960
123	CBRN DEFENSE	18,887	18,887
125	TACTICAL BRIDGING	50,400	50,400

P-1	Budget Request	Final Bill
137 RENDER SAFE SETS KITS OUTFITS	84,000	80,730
Unit cost discrepancies		-3,270
140 HEATERS AND ECUS	370	370
142 PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS)	3,721	3,721
145 FORCE PROVIDER	56,400	56,400
146 FIELD FEEDING EQUIPMENT	2,279	2,279
147 CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM	2,040	2,040
150 DISTRIBUTION SYSTEMS, PETROLEUM & WATER	4,374	4,374
151 COMBAT SUPPORT MEDICAL	6,390	6,390
152 MOBILE MAINTENANCE EQUIPMENT SYSTEMS	7,769	7,769
153 ITEMS LESS THAN $5M (MAINT EQ)	184	184
156 LOADERS	3,190	3,190
157 HYDRAULIC EXCAVATOR	7,600	7,600
158 TRACTOR, FULL TRACKED	7,450	7,450
160 HIGH MOBILITY ENGINEER EXCAVATOR (HMEE)	3,703	3,703
162 CONST EQUIP ESP	657	657
167 GENERATORS AND ASSOCIATED EQUIP	106	106
169 FAMILY OF FORKLIFTS	1,885	1,885
180 RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT	8,500	8,500
181 PHYSICAL SECURITY SYSTEMS (OPA3)	3,248	12,000
Requirement no longer valid		-3,248
Program increase - AFRICOM force protection upgrades		12,000
185 BUILDING, PRE-FAB, RELOCATABLE	31,845	31,845
TOTAL, OTHER PROCUREMENT, ARMY	924,077	924,823

P-1		Budget Request	Final Bill
	AIRCRAFT PROCUREMENT, NAVY		
24	STUASLO UAV	7,921	7,585
	USMC air vehicle unit cost adjustment		-336
53	COMMON ECM EQUIPMENT	3,474	3,474
55	COMMON DEFENSIVE WEAPON SYSTEM	3,339	3,339
64	QRC	18,507	18,507
	TOTAL, AIRCRAFT PROCUREMENT, NAVY	33,241	32,905
	WEAPONS PROCUREMENT, NAVY		
12	HELLFIRE	5,572	5,572
	TOTAL, WEAPONS PROCUREMENT, NAVY	5,572	5,572
	PROCUREMENT OF AMMO, NAVY & MARINE CORPS		
1	GENERAL PURPOSE BOMBS	8,068	5,005
	Q2191 BLU-111 previously funded		-2,910
	Q2160 BLU-117 prior year carryover		-153
2	JDAM	15,529	15,529
3	AIRBORNE ROCKETS, ALL TYPES	23,000	10,149
	MK-66 rocket motor contract delays		-12,851
4	MACHINE GUN AMMUNITION	22,600	22,600
6	CARTRIDGES & CART ACTUATED DEVICES	3,927	3,927
7	AIR EXPENDABLE COUNTERMEASURES	15,978	15,978
8	JATOS	2,100	2,100
11	OTHER SHIP GUN AMMUNITION	2,611	7
	M72A8 LAW early to need		-2,604
12	SMALL ARMS & LANDING PARTY AMMO	1,624	1,624
13	PYROTECHNIC AND DEMOLITION	505	505
	TOTAL, PROCUREMENT OF AMMO, NAVY & MARINE CORPS	95,942	77,424
	OTHER PROCUREMENT, NAVY		
28	STANDARD BOATS	19,104	19,104
35	SMALL & MEDIUM UUV	2,946	2,946
43	FIXED SURVEILLANCE SYSTEM	213,000	213,000

P-1		Budget Request	Final Bill
92	SONOBUOYS - ALL TYPES	26,196	26,196
95	AIRCRAFT SUPPORT EQUIPMENT	60,217	60,217
110	EXPLOSIVE ORDNANCE DISPOSAL EQUIPMENT	2,124	2,124
115	PASSENGER CARRYING VEHICLES	177	0
	Unjustified request		-177
116	GENERAL PURPOSE TRUCKS	416	0
	Unjustified request		-416
118	FIRE FIGHTING EQUIPMENT	801	0
	Unjustified request		-801
125	FIRST DESTINATION TRANSPORTATION	520	0
	Unjustified request		-520
128	TRAINING AND EDUCATION EQUIPMENT	11,500	11,500
130	MEDICAL SUPPORT EQUIPMENT	3,525	3,525
136	PHYSICAL SECURITY EQUIPMENT	3,000	3,000
	TOTAL, OTHER PROCUREMENT, NAVY	343,526	341,612
	PROCUREMENT, MARINE CORPS		
12	GUIDED MLRS ROCKET (GMLRS)	17,456	17,456
15	MODIFICATION KITS	4,200	4,200
21	INTELLIGENCE SUPPORT EQUIPMENT	10,124	10,124
38	MOTOR TRANSPORT MODIFICATIONS	16,183	16,183
	TOTAL, PROCUREMENT, MARINE CORPS	47,963	47,963
	AIRCRAFT PROCUREMENT, AIR FORCE		
13	COMBAT RESCUE HELICOPTER	174,000	174,000
20	MQ-9	142,490	343,600
	Program increase - 16 aircraft		285,700
	Production line shutdown ahead of need		-75,990
	ECP excess to need		-8,600
21	RQ-20 PUMA	13,770	13,770
26	LAIRCM	57,521	46,321
	C-130J carryover		-11,200
46	U-2 MODS	9,600	9,600

P-1		Budget Request	Final Bill
55	COMPASS CALL	12,800	11,300
	CLEAVER installations ahead of need		-1,500
66	HC/MC-130 MODIFICATIONS	58,020	55,793
	Situational awareness unit cost growth		-2,227
69	MQ-9 UAS PAYLOADS	46,100	63,500
	Program increase - Gorgon Stare operational loss		17,400
70	CV-22 MODS	6,290	6,290
71	INITIAL SPARES/REPAIR PARTS	10,700	10,700
72	MQ-9	12,250	12,250
73	AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT	25,614	25,614
	TOTAL, AIRCRAFT PROCUREMENT, AIR FORCE	569,155	772,738
	MISSILE PROCUREMENT, AIR FORCE		
4	JASSM	30,000	30,000
8	HELLFIRE	143,420	143,420
9	SMALL DIAMETER BOMB	50,352	50,352
	TOTAL, MISSILE PROCUREMENT, AIR FORCE	223,772	223,772
	PROCUREMENT OF AMMUNITION, AIR FORCE		
1	ROCKETS	19,489	19,489
2	CARTRIDGES	40,434	40,434
4	GENERAL PURPOSE BOMBS	369,566	369,566
6	JOINT DIRECT ATTACK MUNITION	237,723	237,723
15	FLARES	21,171	21,171
16	FUZES	107,855	91,017
	FMU-139D/B excess		-16,838
17	SMALL ARMS	6,217	6,217
	TOTAL, PROCUREMENT OF AMMUNITION, AIR FORCE	802,455	785,617
	OTHER PROCUREMENT, AIR FORCE		
1	PASSENGER CARRYING VEHICLES	1,302	1,302
2	MEDIUM TACTICAL VEHICLE	3,400	3,400
4	CARGO AND UTILITY VEHICLES	12,475	12,475

P-1		Budget Request	Final Bill
5	JOINT LIGHT TACTICAL VEHICLE	26,150	26,150
7	SPECIAL PURPOSE VEHICLES	51,254	51,254
8	FIRE FIGHTING/CRASH RESCUE VEHICLES	24,903	24,903
9	MATERIALS HANDLING VEHICLES	14,167	14,167
10	RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT	5,759	5,759
11	BASE MAINTENANCE SUPPORT VEHICLES	20,653	20,653
26	GENERAL INFORMATION TECHNOLOGY	5,100	5,100
31	AIR FORCE PHYSICAL SECURITY SYSTEM	56,496	56,496
49	BASE COMM INFRASTRUCTURE	30,717	30,717
55	ENGINEERING AND EOD EQUIPMENT	13,172	13,172
56	MOBILITY EQUIPMENT	33,694	33,694
57	FUEL SUPPORT EQUIPMENT (FSE)	1,777	1,777
58	BASE MAINTENANCE AND SUPPORT EQUIPMENT	31,620	31,620
61	DCGS-AF	18,700	18,700
65	SPARES AND REPAIR PARTS	4,000	4,000
	TOTAL, OTHER PROCUREMENT, AIR FORCE	355,339	355,339
	PROCUREMENT, DEFENSE-WIDE		
16	DEFENSE INFORMATION SYSTEM NETWORK	6,120	6,120
27	COUNTER IMPROVISED THREAT TECHNOLOGIES	2,540	2,540
999	CLASSIFIED PROGRAMS	3,500	3,500
56	MANNED ISR	5,000	45,120
	Program increase - combat loss replacement		40,120
57	MC-12	5,000	5,000
60	UNMANNED ISR	8,207	8,207
62	U-28	0	24,711
	Program increase - combat loss replacement		24,711
70	ORDNANCE ITEMS LESS THAN $5M	105,355	105,355
71	INTELLIGENCE SYSTEMS	16,234	16,234
73	OTHER ITEMS LESS THAN $5M	984	984

P-1		Budget Request	Final Bill
76	TACTICAL VEHICLES	2,990	2,990
77	WARRIOR SYSTEMS LESS THAN $5M	32,573	38,873
	Program increase - M4 carbine URG-I kits		6,300
78	COMBAT MISSION REQUIREMENTS	10,000	10,000
80	OPERATIONAL ENHANCEMENTS INTELLIGENCE	6,724	6,724
81	OPERATIONAL ENHANCEMENTS	53,264	65,779
	Program increase - combat loss replacement		12,515
	TOTAL, PROCUREMENT, DEFENSE-WIDE	258,491	342,137
	NATIONAL GUARD AND RESERVE EQUIPMENT	0	950,000
	TOTAL, PROCUREMENT	5,128,098	6,370,713

NATIONAL GUARD AND RESERVE EQUIPMENT

The agreement provides $950,000,000 for National Guard and Reserve Equipment. Of that amount $285,000,000 is designated for the Army National Guard; $285,000,000 for the Air National Guard; $155,000,000 for the Army Reserve; $52,500,000 for the Navy Reserve; $17,500,000 for the Marine Corps Reserve; and $155,000,000 for the Air Force Reserve.

This funding will allow the reserve components to procure high priority equipment that may be used for combat and domestic response missions. Current reserve component equipping levels are among the highest in recent history, and the funding provided by the agreement will help ensure component interoperability and sustained reserve component modernization. The agreement directs the component commanders of the Army 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 the enactment of this Act.

The Secretary of Defense is directed to ensure that the account is executed by the Chiefs of the National Guard and reserve components with priority consideration given to the following items: acoustic hailing devices; counter-UAS systems; crashworthy, ballistically tolerant auxiliary fuel systems; containerized ice making systems; gamma radiation protection; helmet-mounted display system; hypervisor-based cross domain access solution; training systems and simulators; virtual language training systems; cold weather and mountaineering gear and equipment, including small unit support vehicles; MQ–9 deployable launch & recovery element mission support kits; solar mobile power systems; KC–135 aircraft forward area refueling/defueling stations; ALR–69A digital radar warning receivers; AN/PDR–75A radiac sets; modular small arms ranges and range simulators; radiological screening portals; radiological isotope identification/detection equipment; and detect and avoid systems for MQ–9 aircraft.

RESEARCH, DEVELOPMENT, TEST AND EVALUATION

The agreement provides $321,508,000 for Research, Development, Test and Evaluation, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS
[In thousands of dollars]

R-1		Budget Request	Final Bill
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY		
16	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY	2,000	2,000
80	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING	500	500
114	INTEGRATED BASE DEFENSE	2,020	2,020
131	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE - ENG DEV	27,000	20,000
	FG5 excess to need		-7,000
159	COMMON INFRARED COUNTERMEASURES (CIRCM)	2,300	2,300
166	AIRCRAFT SURVIVABILITY DEVELOPMENT	64,625	64,625
183	ELECTRONIC WARFARE DEVELOPMENT	3,900	3,900
198	EXPLOITATION OF FOREIGN ITEMS	1,000	1,000
209	COUNTERINTEL AND HUMAN INTEL MODERNIZATION	4,137	4,137
239	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS	2,300	2,300
248	SECURITY AND INTELLIGENCE ACTIVITIES	23,367	23,367
257	TACTICAL UNMANNED AERIAL VEHICLES	34,100	34,100
258	AIRBORNE RECONNAISSANCE SYSTEMS	15,575	15,575
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, ARMY	182,824	175,824
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY		
39	RETRACT LARCH	36,500	36,500
58	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT	14,461	14,461
63	CHALK CORAL	3,000	3,000
71	LAND ATTACK TECHNOLOGY	1,457	1,457
142	SHIP SELF DEFENSE (DETECT & CONTROL)	1,144	1,144
229	USMC INTEL/ELECTRONIC WARFARE SYSTEMS	3,000	3,000
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, NAVY	59,562	59,562

R-1		Budget Request	Final Bill
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE		
185	JOINT COUNTER RCIED ELECTRONIC WARFARE	4,080	4,080
228	INTEL DATA APPLICATIONS	1,224	1,224
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, AIR FORCE	5,304	5,304
	RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE WIDE		
10	COUNTER IMPROVISED-THREAT ADVANCED STUDIES	3,699	3,699
26	COMBATING TERRORISM TECHNOLOGY SUPPORT	19,288	19,288
28	COUNTER IMPROVISED-THREAT SIMULATION	3,861	3,861
97	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING	19,931	19,931
260	OPERATIONAL ENHANCEMENTS	1,186	1,186
261	WARRIOR SYSTEMS	5,796	5,796
263	UNMANNED ISR	5,000	3,000
	Excess to need - underexecution		-2,000
999	CLASSIFIED PROGRAMS	24,057	24,057
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION, DEFENSE WIDE	82,818	80,818
	TOTAL, RESEARCH, DEVELOPMENT, TEST & EVALUATION	330,508	321,508

REVOLVING AND MANAGEMENT FUNDS

The agreement provides $20,090,000 for Defense Working Capital Funds.

OTHER DEPARTMENT OF DEFENSE PROGRAMS

DEFENSE HEALTH PROGRAM

The agreement provides $365,098,000 for the Defense Health Program, as follows:

EXPLANATION OF PROJECT LEVEL ADJUSTMENTS

(In thousands of dollars)

	Budget Request	Final Bill
IN-HOUSE CARE	65,072	65,072
PRIVATE SECTOR CARE	296,828	296,828
CONSOLIDATED HEALTH SUPPORT	3,198	3,198
Total, Operation and Maintenance	365,098	365,098

OFFICE OF THE INSPECTOR GENERAL

The agreement provides $24,069,000 for the Office of the Inspector General.

GENERAL PROVISIONS—THIS TITLE

The agreement for title IX incorporates general provisions which were not amended. Those general provisions that were addressed in the agreement are as follows:

(TRANSFER OF FUNDS)

The agreement retains a provision which provides for special transfer authority within title IX. The House bill contained a similar provision.

The agreement modifies a provision proposed by the House which provides funds for the Commanders' Emergency Response Program.

The agreement includes a provision proposed by the House regarding use of funds in Afghanistan, Iraq, and Syria.

The agreement retains a provision proposed by the House which provides security assistance to the Government of Jordan.

The agreement does not retain a provision which provides for operation and maintenance readiness funds and transfer authority.

The agreement includes a provision proposed by the House which prohibits certain funds to procure or transfer man-portable air defense systems.

The agreement modifies a provision proposed by the House which provides assistance and sustainment to the military and national security forces of Ukraine.

The agreement includes a provision proposed by the House regarding replacement of funds for Ukraine.

The agreement includes a provision proposed by the House which prohibits the use of funds to provide arms, training, or other assistance to the Azov Battalion.

The agreement retains a provision regarding the acceptance of returned equipment. The House bill contained a similar provision.

The agreement does not retain a provision proposed by the House which restricts funds provided for reimbursement to the Government of Pakistan for border security operations until certain conditions are met.

The agreement retains a provision proposed by the House which prohibits introducing armed forces into Iraq in contravention of the War Powers Act.

The agreement retains a provision proposed by the House which prohibits introducing armed forces into Syria in contravention of the War Powers Act.

The agreement includes a provision proposed by the House which prohibits the transfer of C–130 aircraft to the Afghanistan National Security Forces or the Afghanistan Air Force.

The agreement includes a provision proposed by the House which requires the Secretary of Defense to certify the use of funds in the Afghanistan Security Forces Fund under certain conditions.

The agreement includes a provision proposed by the House which prohibits funds for the Taliban, with certain exceptions.

The agreement retains a provision proposed by the House which states that nothing in the Act may be construed as authorizing the use of force against Iran.

The agreement does not retain a provision proposed by the House which requires the Secretary of Defense to provide a notification when a foreign base is open or closed.

The agreement does not retain a provision proposed by the House which provides funds to the Department of Defense to improve intelligence, surveillance, and reconnaissance capabilities.

(RESCISSIONS)

The agreement modifies a provision proposed by the House recommending rescissions and provides for the rescission of $1,886,122,000. The rescissions agreed to are:

2019 Appropriations:	
Procurement of Weapons and Tracked Combat Vehicles, Army:	
Bradley program	$90,000,000
Aircraft Procurement, Air Force:	
B–52 Infrared threat defense urgent operational need	16,400,000
2020 Appropriations:	
Operation and Maintenance, Defense-Wide:	
DSCA security cooperation	75,000,000
Coalition Support Funds	45,000,000
Afghanistan Security Forces Fund:	
Afghanistan Security Forces Fund	1,100,000,000
Counter-ISIS Train and Equip Fund:	
Counter-ISIS Train and Equip Fund	400,000,000
Procurement of Weapons and Tracked Combat Vehicles, Army:	
Armored Multi-Purpose Vehicle	100,000,000
Procurement of Ammunition, Air Force:	
Fuzes—FMU–139 D/B	49,679,000
Research, Development, Test and Evaluation, Army:	
Soldier support and survivability	2,878,000
Research, Development, Test and Evaluation, Defense-Wide:	
Counter improvised-threat demonstration prototype	7,165,000

The agreement modifies a new provision that provides funds for programs for foreign security forces.

The agreement modifies a new provision that provides funds for specialized training and equipment for coalition forces.

The agreement modifies a new provision that provides funds to reimburse Jordan, Lebanon, Egypt, Tunisia, and Oman for enhanced border security.

The agreement retains a provision relating to emergency designations. The House bill did not contain a similar provision.

The agreement does not retain a new provision proposed by the House which repeals the 2001 AUMF.

The agreement does not retain a new provision proposed by the House which repeals the 2002 AUMF.

The agreement does not retain a new provision proposed by the House which prohibits funds for any use of military force in or Iran, with exceptions.

The agreement does not retain a new provision proposed by the House which prohibits funds to support any law enforcement action by a military member or Department of Defense employee unless such individual wears identification.

The agreement includes a new provision proposed by the House which prohibits funds to be used in contravention of the First Amendment.

The agreement does not retain a new provision proposed by the House which prohibits funds to implement Directive-type Memorandum–19–004.

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE I					
MILITARY PERSONNEL					
Military Personnel, Army	42,746,972	45,087,813	44,861,853	+2,114,881	-225,960
Military Personnel, Navy	31,710,431	33,892,369	33,764,579	+2,054,148	-127,790
Military Personnel, Marine Corps	14,098,666	14,840,871	14,557,436	+458,770	-283,435
Military Personnel, Air Force	31,239,149	32,901,670	32,784,171	+1,545,022	-117,499
Reserve Personnel, Army	4,922,087	5,106,956	5,037,119	+115,032	-69,837
Reserve Personnel, Navy	2,115,997	2,240,710	2,200,600	+84,603	-40,110
Reserve Personnel, Marine Corps	833,604	868,694	843,564	+9,960	-25,130
Reserve Personnel, Air Force	2,014,190	2,207,823	2,193,493	+179,303	-14,330
National Guard Personnel, Army	8,704,320	8,830,111	8,663,999	-40,321	-166,112
National Guard Personnel, Air Force	4,060,651	4,547,087	4,530,091	+469,440	-16,996
Total, title I, Military Personnel	142,446,067	150,524,104	149,436,905	+6,990,838	-1,087,199
Total, Tricare Accrual payments (permanent, indefinite authority)	---	---	---	---	---
Total, including Tricare	142,446,067	150,524,104	149,436,905	+6,990,838	-1,087,199

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE II					
OPERATION AND MAINTENANCE					
Operation and Maintenance, Army	39,597,083	40,312,968	38,418,982	-1,178,101	-1,893,986
Operation and Maintenance, Navy	47,622,510	49,692,742	47,632,527	+10,017	-2,060,215
Operation and Maintenance, Marine Corps	7,868,468	7,328,607	7,286,184	-582,284	-42,423
Operation and Maintenance, Air Force	42,736,365	34,750,597	33,528,409	-9,207,956	-1,222,188
Operation and Maintenance, Space Force	40,000	2,531,294	2,492,114	+2,452,114	-39,180
Operation and Maintenance, Defense-Wide	37,491,073	38,649,079	39,048,990	+1,557,917	+399,911
Operation and Maintenance, Army Reserve	2,984,494	2,934,717	2,887,898	-96,596	-46,819
Operation and Maintenance, Navy Reserve	1,102,616	1,127,046	1,115,150	+12,534	-11,896
Operation and Maintenance, Marine Corps Reserve	289,076	284,656	283,494	-5,582	-1,162
Operation and Maintenance, Air Force Reserve	3,227,318	3,350,284	3,268,461	+41,143	-81,823
Operation and Maintenance, Army National Guard	7,461,947	7,420,014	7,350,837	-111,110	-69,177
Operation and Maintenance, Air National Guard	6,655,292	6,753,642	6,785,853	+130,561	+32,211
United States Court of Appeals for the Armed Forces	14,771	15,211	15,211	+440	---
Environmental Restoration, Army	251,700	207,518	264,285	+12,585	+56,767
Environmental Restoration, Navy	385,000	335,932	421,250	+36,250	+85,318
Environmental Restoration, Air Force	485,000	303,926	509,250	+24,250	+205,324
Environmental Restoration, Defense-Wide	19,002	9,105	19,952	+950	+10,847
Environmental Restoration, Formerly Used Defense Sites	275,000	216,587	288,750	+13,750	+72,163

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Overseas Humanitarian, Disaster, and Civic Aid.....	135,000	109,900	147,500	+12,500	+37,600
Cooperative Threat Reduction Account.....	373,700	238,490	360,190	-13,510	+121,700
Department of Defense Acquisition Workforce Development Account.....	400,000	58,181	88,181	-311,819	+30,000
Total, title II, Operation and Maintenance.....	199,415,415	196,630,496	192,213,468	-7,201,947	-4,417,028

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE III					
PROCUREMENT					
Aircraft Procurement, Army	3,771,329	3,074,594	3,457,342	-313,987	+382,748
Missile Procurement, Army	2,995,673	3,491,507	3,220,541	+224,868	-270,966
Procurement of Weapons and Tracked Combat Vehicles, Army	4,663,597	3,696,740	3,611,887	-1,051,710	-84,853
Procurement of Ammunition, Army	2,578,575	2,777,716	2,790,140	+211,565	+12,424
Other Procurement, Army	7,581,524	8,625,206	8,603,112	+1,021,588	-22,094
Aircraft Procurement, Navy	19,605,513	17,127,378	19,480,280	-125,233	+2,352,902
Weapons Procurement, Navy	4,017,470	4,884,995	4,477,773	+460,303	-407,222
Procurement of Ammunition, Navy and Marine Corps	843,401	883,602	792,023	-51,378	-91,579
Shipbuilding and Conversion, Navy	23,975,378	19,902,757	23,268,880	-706,498	+3,366,123
Other Procurement, Navy	10,075,257	10,948,518	10,512,209	+436,952	-436,309
Procurement, Marine Corps	2,898,422	2,903,976	2,648,375	-250,047	-255,601
Aircraft Procurement, Air Force	17,512,361	17,908,145	19,212,753	+1,700,392	+1,304,608
Missile Procurement, Air Force	2,575,890	2,396,417	2,142,181	-433,709	-254,236
Space Procurement, Air Force	2,353,383	---	---	-2,353,383	---
Procurement of Ammunition, Air Force	1,625,661	596,338	550,844	-1,074,817	-45,494
Other Procurement, Air Force	21,410,021	23,695,720	23,441,648	+2,031,627	-254,072
Procurement, Space Force	---	2,446,064	2,310,994	+2,310,994	-135,070
Procurement, Defense-Wide	5,332,147	5,324,487	5,837,347	+505,200	+512,860
Defense Production Act Purchases	64,393	181,931	174,639	+110,246	-7,292
Total, title III, Procurement	133,879,995	130,866,091	136,532,968	+2,652,973	+5,666,877

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE IV					
RESEARCH, DEVELOPMENT, TEST AND EVALUATION					
Research, Development, Test and Evaluation, Army.....	12,543,435	12,587,343	13,969,032	+1,425,597	+1,381,689
Research, Development, Test and Evaluation, Navy	20,155,115	21,427,048	20,078,829	-76,286	-1,348,219
Research, Development, Test and Evaluation, Air Force.	45,566,955	37,391,826	36,357,443	-9,209,512	-1,034,383
Research, Development, Test and Evaluation, Space Force.....	---	10,327,595	10,540,069	+10,540,069	+212,474
Research, Development, Test and Evaluation, Defense-Wide	25,938,027	24,280,891	25,932,671	-5,356	+1,651,780
Operational Test and Evaluation, Defense.....	227,700	210,090	257,120	+29,420	+47,030
Total, title IV, Research, Development, Test and Evaluation.....	104,431,232	106,224,793	107,135,164	+2,703,932	+910,371

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE V					
REVOLVING AND MANAGEMENT FUNDS					
Defense Working Capital Funds.....	1,564,211	1,348,910	1,473,910	-90,301	+125,000
Total, title V, Revolving and Management Funds..	1,564,211	1,348,910	1,473,910	-90,301	+125,000

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE VI					
OTHER DEPARTMENT OF DEFENSE PROGRAMS					
Defense Health Program					
Operation and maintenance	31,321,665	31,349,553	30,747,659	-574,006	-601,894
Procurement	446,359	617,926	544,369	+98,010	-73,557
Research, development, test and evaluation	2,306,095	722,893	2,392,579	+86,484	+1,669,686
Total, Defense Health Program 1/	34,074,119	32,690,372	33,684,607	-389,512	+994,235
Chemical Agents and Munitions Destruction, Defense:					
Operation and maintenance	107,351	106,691	106,691	-660	---
Procurement	2,218	616	616	-1,602	---
Research, development, test and evaluation	875,930	782,193	942,493	+66,563	+160,300
Total, Chemical Agents 2/	985,499	889,500	1,049,800	+64,301	+160,300
Drug Interdiction and Counter-Drug Activities, Defense1/	893,059	769,629	914,429	+21,370	+144,800
Office of the Inspector General 1/	363,499	371,439	375,439	+11,940	+4,000
Total, title VI, Other Department of Defense Programs	36,316,176	34,720,940	36,024,275	-291,901	+1,303,335

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE VII					
RELATED AGENCIES					
Central Intelligence Agency Retirement and Disability System Fund	514,000	514,000	514,000	---	---
Intelligence Community Management Account (ICMA)	556,000	663,000	633,719	+77,719	-29,281
Total, title VII, Related agencies	1,070,000	1,177,000	1,147,719	+77,719	-29,281

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE VIII					
GENERAL PROVISIONS					
Additional transfer authority (Sec. 8005)	(4,000,000)	(5,000,000)	(4,000,000)	---	(-1,000,000)
Indian Financing Act incentives (Sec.8021)	---	---	25,000	+25,000	+25,000
Rescissions (Sec. 8043)	-4,090,652	---	-3,248,047	+842,605	-3,248,047
National grants (Sec. 8050)	44,000	---	49,000	+5,000	+49,000
O&M, Defense-wide transfer authority (Sec.8054)	(30,000)	(30,000)	(30,000)	---	---
Fisher House Foundation (Sec.8068)	10,000	---	10,000	---	+10,000
John C. Stennis Center for Public Service Development (Sec.8069)	---	---	(1,000)	(+1,000)	(+1,000)
Trust Fund (O&M, Navy transfer authority)	(1,000)	---	---	(-1,000)	---
Fisher House O&M Army Navy Air Force transfer authority (Sec.8091)	(11,000)	(11,000)	(11,000)	---	---
Defense Health O&M transfer authority (Sec. 8095)	(127,000)	(137,000)	(137,000)	(+10,000)	---
Public Schools on Military Installations (Sec. 8118)	315,000	---	284,000	-31,000	+284,000
Foreign Currency Fluctuations (Sec. 8129)	---	---	-375,000	-375,000	-375,000
Revised fuel costs (Sec. 8130)	---	---	-1,700,362	-1,700,362	-1,700,362
Revised economic assumptions	-81,559	---	---	+81,559	---
Property Services	---	25,000	---	---	-25,000

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Defense Industrial Base and Supply Chain Resiliency (Sec. 8132)	---	---	100,000	+100,000	+100,000
Military Museum	---	1,000	---	---	-1,000
Readiness (Sec. 8133)	---	---	300,500	+300,500	+300,500
Total, title VIII, General Provisions	-3,803,211	26,000	-4,554,909	-751,698	-4,580,909

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE IX					
OVERSEAS CONTINGENCY OPERATIONS/GLOBAL WAR ON TERRORISM (GWOT)					
Military Personnel					
Military Personnel, Army (GWOT)	2,743,132	2,748,033	2,748,033	+4,901	---
Military Personnel, Navy (GWOT)	356,392	382,286	382,286	+25,894	---
Military Personnel, Marine Corps (GWOT)	104,213	129,943	129,943	+25,730	---
Military Personnel, Air Force (GWOT)	1,007,594	1,077,168	1,077,168	+69,574	---
Reserve Personnel, Army (GWOT)	34,812	33,414	33,414	-1,398	---
Reserve Personnel, Navy (GWOT)	11,370	11,771	11,771	+401	---
Reserve Personnel, Marine Corps (GWOT)	3,599	2,048	2,048	-1,551	---
Reserve Personnel, Air Force (GWOT)	16,428	16,816	16,816	+388	---
National Guard Personnel, Army (GWOT)	202,644	195,314	195,314	-7,330	---
National Guard Personnel, Air Force (GWOT)	5,624	5,800	5,800	+176	---
Total, Military Personnel	4,485,808	4,602,593	4,602,593	+116,785	---
Operation and Maintenance					
Operation & Maintenance, Army (GWOT)	20,092,038	17,137,754	17,497,254	-2,594,784	+359,500
Operation & Maintenance, Navy (GWOT)	8,772,379	10,700,305	11,568,363	+2,795,984	+868,058
Operation & Maintenance, Marine Corps (GWOT)	1,109,791	1,102,600	1,108,667	-1,124	+6,067
Operation & Maintenance, Air Force (GWOT)	10,359,379	17,930,020	18,432,020	+8,072,641	+502,000
Operation & Maintenance, Space Force (GWOT)	---	77,115	77,115	+77,115	---

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Operation & Maintenance, Defense-Wide (GWOT)	7,803,193	6,022,254	6,041,898	-1,761,295	+19,644
(Coalition support funds) (GWOT)	(225,000)	---	---	(-225,000)	---
Operation & Maintenance, Army Reserve (GWOT)	37,592	33,399	33,399	-4,193	---
Operation & Maintenance, Navy Reserve (GWOT)	23,036	21,492	21,492	-1,544	---
Operation & Maintenance, Marine Corps Reserve (GWOT)	8,707	8,707	8,707	---	---
Operation & Maintenance, Air Force Reserve (GWOT)	29,758	30,090	30,090	+332	---
Operation & Maintenance, Army National Guard (GWOT)	83,291	79,792	79,792	-3,499	---
Operation & Maintenance, Air National Guard (GWOT)	176,909	175,642	175,642	-1,267	---
Subtotal	48,496,073	53,319,170	55,074,439	+6,578,366	+1,755,269
Afghanistan Security Forces Fund (GWOT)	4,199,978	4,015,612	3,047,612	-1,152,366	-968,000
Counter-ISIS Train and Equip Fund (GWOT)	1,195,000	845,000	710,000	-485,000	-135,000
Total, Operation and Maintenance	53,891,051	58,179,782	58,832,051	+4,941,000	+652,269
Procurement					
Aircraft Procurement, Army (GWOT)	531,541	461,080	595,112	+63,571	+134,032
Missile Procurement, Army (GWOT)	1,423,589	881,592	796,599	-626,990	-84,993
Procurement of Weapons and Tracked Combat Vehicles, Army (GWOT)	346,306	15,225	15,225	-331,081	---
Procurement of Ammunition, Army (GWOT)	148,682	110,668	103,875	-44,807	-6,793
Other Procurement, Army (GWOT)	1,080,504	924,077	924,823	-155,681	+746
Aircraft Procurement, Navy (GWOT)	95,153	33,241	32,905	-62,248	-336
Weapons Procurement, Navy (GWOT)	116,429	5,572	5,572	-110,857	---
Procurement of Ammunition, Navy and Marine Corps (GWOT)	204,814	95,942	77,424	-127,390	-18,518

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Other Procurement, Navy (GWOT)	351,250	343,526	341,612	-9,638	-1,914
Procurement, Marine Corps (GWOT)	20,589	47,963	47,963	+27,374	---
Aircraft Procurement, Air Force (GWOT)	851,310	569,155	772,738	-78,572	+203,583
Missile Procurement, Air Force (GWOT)	201,671	223,772	223,772	+22,101	---
Procurement of Ammunition, Air Force (GWOT)	934,758	802,455	785,617	-149,141	-16,838
Other Procurement, Air Force (GWOT)	3,748,801	355,339	355,339	-3,393,462	---
Procurement, Defense-Wide (GWOT)	438,064	258,491	342,137	-95,927	+83,646
National Guard and Reserve Equipment (GWOT)	1,300,000	---	950,000	-350,000	+950,000
Total, Procurement	11,793,461	5,128,098	6,370,713	-5,422,748	+1,242,615
Research, Development, Test and Evaluation					
Research, Development, Test & Evaluation, Army (GWOT)	147,304	182,824	175,824	+28,520	-7,000
Research, Development, Test & Evaluation, Navy (GWOT)	164,410	59,562	59,562	-104,848	---
Research, Development, Test & Evaluation, Air Force (GWOT)	128,248	5,304	5,304	-122,944	---
Research, Development, Test and Evaluation, Defense-Wide (GWOT)	394,260	82,818	80,818	-313,442	-2,000
Total, Research, Development, Test and Evaluation	834,222	330,508	321,508	-512,714	-9,000

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Revolving and Management Funds					
Defense Working Capital Funds (GWOT)	20,100	20,090	20,090	-10	---
Other Department of Defense Programs					
Defense Health Program:					
Operation & Maintenance (GWOT)	347,746	365,098	365,098	+17,352	---
Drug Interdiction and Counter-Drug Activities, Defense (GWOT)	153,100	---	---	-153,100	---
Office of the Inspector General (GWOT)	24,254	24,069	24,069	-185	---
Total, Other Department of Defense Programs	525,100	389,167	389,167	-135,933	---
GENERAL PROVISIONS -- THIS TITLE					
Additional transfer authority (GWOT) (Sec.9002)	(2,000,000)	(4,500,000)	(2,000,000)	---	(-2,500,000)
Intelligence, Surveillance, and Reconnaissance (GWOT)	250,000	---	---	-250,000	---
Rescissions (GWOT) (Sec.9023)	-1,134,742	---	-1,886,122	-751,380	-1,886,122
Total, General Provisions	-884,742	---	-1,886,122	-1,001,380	-1,886,122
Total, title IX (OCO/GWOT)	70,665,000	68,650,238	68,650,000	-2,015,000	-238

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE X					
NATURAL DISASTER RELIEF					
Operation and Maintenance					
Operation and Maintenance, Navy (emergency)	427,000	---	---	-427,000	---
Operation and Maintenance, Marine Corps (emergency)	394,000	---	---	-394,000	---
Operation and Maintenance, Air Force (emergency)	110,000	---	---	-110,000	---
Operation and Maintenance, Army National Guard (emergency)	45,700	---	---	-45,700	---
Total, Operation and Maintenance	976,700	---	---	-976,700	---
Procurement					
Other Procurement, Navy (emergency)	75,015	---	---	-75,015	---
Procurement, Marine Corps (emergency)	73,323	---	---	-73,323	---
Aircraft Procurement, Air Force (emergency)	204,448	---	---	-204,448	---
Other Procurement, Air Force (emergency)	77,974	---	---	-77,974	---
Total, Procurement	430,760	---	---	-430,760	---
Research, Development, Test and Evaluation					
Research, Development, Test and Evaluation, Navy (emergency)	130,444	---	---	-130,444	---

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Revolving and Management Funds					
Defense Working Capital Funds (emergency)	233,500	---	---	-233,500	---
Total, title X	1,771,404	---	---	-1,771,404	---
Grand total	687,756,289	690,168,572	688,059,500	+303,211	-2,109,072
Appropriations	(619,410,537)	(621,518,334)	(622,657,547)	(+3,247,010)	(+1,139,213)
Emergency appropriations	(1,771,404)	---	---	(-1,771,404)	---
Global War on Terrorism (GWOT)	(71,799,742)	(68,650,238)	(70,536,122)	(-1,263,620)	(+1,885,884)
Rescissions	(-4,090,652)	---	(-3,248,047)	(+842,605)	(-3,248,047)
Rescissions (GWOT)	(-1,134,742)	---	(-1,886,122)	(-751,380)	(-1,886,122)
(Transfer Authority)	(4,169,000)	(5,178,000)	(4,179,000)	(+10,000)	(-999,000)
(Transfer Authority) (GWOT)	(2,000,000)	(4,500,000)	(2,000,000)	---	(-2,500,000)

DEPARTMENT OF DEFENSE APPROPRIATIONS ACT, 2021

(Amounts in thousands)

	FY 2020 Enacted	FY 2021 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
RECAPITULATION					
Title I - Military Personnel	142,446,067	150,524,104	149,436,905	+6,990,838	-1,087,199
Title II - Operation and Maintenance	199,415,415	196,630,496	192,213,468	-7,201,947	-4,417,028
Title III - Procurement	133,879,995	130,866,091	136,532,968	+2,652,973	+5,666,877
Title IV - Research, Development, Test and Evaluation	104,431,232	106,224,793	107,135,164	+2,703,932	+910,371
Title V - Revolving and Management Funds	1,564,211	1,348,910	1,473,910	-90,301	+125,000
Title VI - Other Department of Defense Programs	36,316,176	34,720,940	36,024,275	-291,901	+1,303,335
Title VII - Related Agencies	1,070,000	1,177,000	1,147,719	+77,719	-29,281
Title VIII - General Provisions	-3,803,211	26,000	-4,554,909	-751,698	-4,580,909
Title IX - Global War on Terrorism (GWOT)	70,665,000	68,650,238	68,650,000	-2,015,000	-238
Total, Department of Defense	687,756,289	690,168,572	688,059,500	+303,211	-2,109,072