

**U.S. ARMY**

**FY 2019**

# **President's Budget Highlights**

**February 2018**

**Assistant Secretary of the Army (Financial Management and Comptroller)**



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# US Army Budget Overview

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The U.S. Army's FY2019 President's Budget addresses increasingly dynamic global threats outlined in the National Defense Strategy, aligns with the priorities established by the Secretary of Defense, and continues the readiness improvements made with the FY2017 Consolidated Appropriations Act and FY2018 President's Budget Request. The Secretary of the Army's priorities are People (Soldiers, Civilians, and Families), Readiness, Modernization, Business Process Reform, and remaining true to the Army's Values. The Army's FY2019 budget request of \$182.1 billion (\$148.4B Base and \$33.7B Overseas Contingency Operations (OCO) funding) looks to achieve program balance and provide for a more capable, agile and lethal combat Force.



These resources strengthen the U.S. Army's ability to meet current and future threats; preserving peace through strength.

The FY2019 President's Budget request, modestly increases end strength necessary to man existing Force structure in order to operate at sufficient scale and duration; while selectively creating units to address critical capability gaps to improve readiness (e.g. Security Force and Assistance Brigades, Multi-Domain Task Force HQ and Electronic Warfare Units). The FY2019 President's Budget request resources a Total Army capable of protecting the homeland while defending U.S. interests across the globe. This request improves lethality and resources capabilities to continue regaining overmatch, ensuring America's Soldiers' tactical and strategic advantage.

We face simultaneous threats from different adversaries across the full spectrum of operations. To be successful, the Army must be ready to fight tonight. Technological advancement and the Army's previous focus on counterinsurgency operations necessitates that we modernize quickly to increase our lethality and increase our competitive advantage, against near-peer adversaries and other emerging threats. The FY2019 budget request continues to balance modernization of current systems with investing in future capabilities to regain and sustain technological overmatch.

The Army acknowledges the tremendous fiscal challenges and competing priorities of each dollar appropriated. As such, we are committed to reforming our business processes to provide greater accountability and best value. Reform initiatives are intended to increase the Army's buying power; enhancing operational readiness and expediting acquisition processes has the added benefit of renewed Congressional and taxpayer confidence.

The strength of the U.S. Army, the world's preeminent ground fighting Force, is its people. Every Soldier, Civilian and their Family member is a valued member of the Army team and critical to readiness and mission success. This budget continues to invest in the training, equipping and the survivability of our Soldiers. It resources the development of the Army's uniformed and Civilian workforce ensuring their ability to perform vital functions in support to the nation. Further, the FY2019 President's Budget renews the Nation's commitment to the Families – the backbone of our Army.

The Army's FY2019 Budget sets the foundation for a trained and ready Army capable of deterring potential adversaries and winning our nation's wars. The increase over the FY2018 President's Budget Request continues the reverse of the adverse effects of fiscal caps under the 2011 Budget Control Act and speeds the Army's ability to regain balance between end strength, readiness, and modernization constrained by the Bi-partisan Budget Acts of 2013 and 2015. This request, followed by consistent, predictable, and sufficient funding over time, provides fiscal stability necessary to accomplish the Nation's bidding and adapt to the changing character of war. Fiscal stability and remaining resolute to the Army Values and Warrior Ethos embodied by every Soldier and Civilian galvanizes the Army to accomplish the goals outlined in the National Defense Strategy.

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*Numbers throughout this publication may not add due to rounding.*

## **Budget Highlights**

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**The Army's FY 2019 Budget will help to ensure the Army increases our overmatch capability and remains the world's preeminent ground fighting Force through investments in current and future readiness to deter adversaries and, when necessary, fight and win.**

### Key themes of Army's Budget Request:

- ❖ Defeat Enemies in Ongoing Conflicts
- ❖ Increase Warfighter Readiness
- ❖ Increase Army's Capacity
- ❖ Invest in Army Modernization Priorities
- ❖ Increase Lethality and Combined Arms Overmatch
- ❖ Improve Rapid Response Readiness
- ❖ Invest in Critical Infrastructure
- ❖ Increase Global Security through Allies and Partners
- ❖ Reform Army Processes
- ❖ Support Soldiers, Civilians and their Families



# FY 2019 Budget Request

## Department of the Army

(\$M)	FY 2018 Request Plus Amendments			FY 2019 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Military Personnel</b>	54,718	2,893	57,611	57,371	3,161	60,532
<i>Active Army</i>	41,534	2,684	44,217	43,671	2,929	46,600
<i>Army National Guard</i>	8,379	185	8,564	8,744	195	8,940
<i>Army Reserve</i>	4,805	25	4,830	4,956	37	4,993
<b>Medicare-Elig. Retiree Health Care Fund</b>	3,331	0	3,331	3,214	0	3,214
<i>Active Army</i>	2,193	0	2,193	2,142	0	2,142
<i>Army National Guard</i>	721	0	721	685	0	685
<i>Army Reserve</i>	417	0	417	387	0	387
<b>Operation and Maintenance</b>	49,248	17,132	66,379	52,326	18,363	70,689
<i>Active Army</i>	38,966	16,999	55,964	42,009	18,211	60,220
<i>Army National Guard</i>	7,363	108	7,471	7,399	111	7,510
<i>Army Reserve</i>	2,919	25	2,944	2,917	42	2,959
<b>Environmental Restoration</b>	216	0	216	203	0	203
<b>Procurement</b>	18,527	2,573	21,100	21,862	4,964	26,826
<i>Aircraft</i>	4,150	425	4,575	3,783	363	4,146
<i>Missiles</i>	3,605	358	3,962	3,356	1,802	5,158
<i>Weapons and Tracked Combat Vehicles</i>	2,424	1,191	3,615	4,489	1,107	5,596
<i>Ammunition</i>	1,879	193	2,073	2,235	310	2,544
<i>Other Procurement</i>	6,469	406	6,875	8,000	1,382	9,382
<b>Research, Development, Test, and Eval.</b>	9,446	119	9,566	10,159	325	10,484
<b>Military Construction</b>	1,724	140	1,864	1,257	261	1,518
<i>Active Army</i>	920	140	1,060	1,012	261	1,273
<i>Army National Guard</i>	730	0	730	180	0	180
<i>Army Reserve</i>	74	0	74	65	0	65
<b>Army Family Housing</b>	529	0	529	707	0	707
<i>Operation</i>	347	0	347	377	0	377
<i>Construction</i>	183	0	183	331	0	331
<b>Army Working Capital Fund</b>	84	50	134	159	7	165
<b>Arlington National Cemetery</b>	71	0	71	71	0	71
<b>Base Realignment and Closure</b>	58	0	58	63	0	63
<b>Chemical Agents-Munitions Dest/Constr.</b>	962	0	962	994	0	994
<b>Afghanistan Security Forces Fund</b>	0	4,938	4,938	0	5,199	5,199
<b>Iraq Train and Equip Fund</b>	0	0	0	0	0	0
<b>Syria Train and Equip Fund</b>	0	0	0	0	0	0
<b>Counter-ISIS Train and Equip Fund</b>	0	1,769	1,769	0	1,400	1,400
<b>Totals</b>	<b>138,913</b> <sup>1</sup>	<b>29,613</b>	<b>168,526</b>	<b>148,385</b> <sup>2</sup>	<b>33,681</b>	<b>182,067</b>

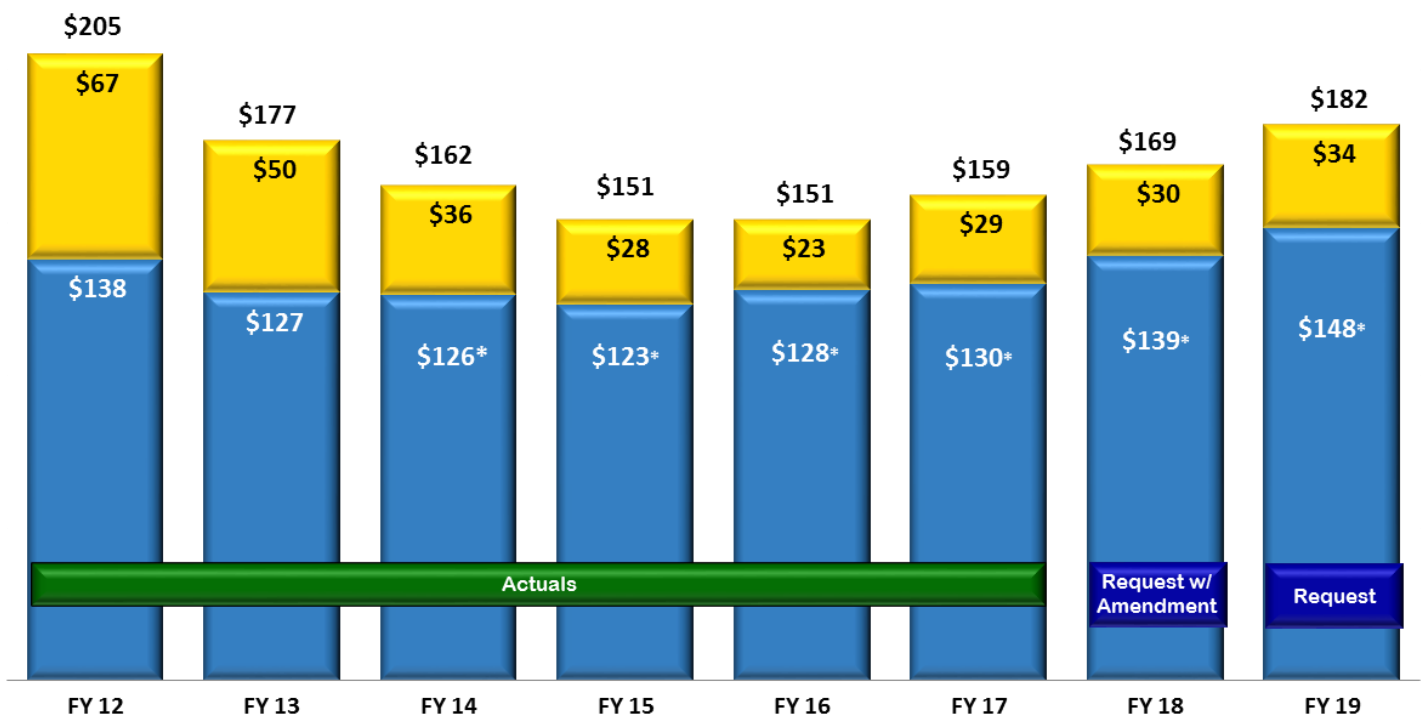
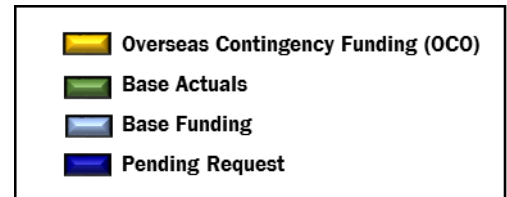
Numbers may not add due to rounding

1: Includes \$0.9B Missile Defeat and Defense Enhancements (MDDE), \$0.6B Hurricane Supplemental and \$0.2B OCO for Base purposes.

2: Includes \$5.0 Billion in OCO funding for Base purposes.

# Army Budget Trends

**FY 2012 — FY 2019 (\$B)**



\* Includes OCO for Base purposes

FY14: \$3.1B OCO for Base Transfer  
 FY15: \$0.85B OCO for Base Transfer  
 FY16: \$2.7B OCO for Base Transfer

FY17: \$6.0B OCO for Base Transfer  
 FY18: \$0.2B OCO for Base Transfer  
 FY19: \$5.0B OCO for Base Transfer

**The FY 2019 Budget Builds upon the Readiness Improvements Started in FY 2017**



# The Total Army Forces

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## Total Army Forces

The components of the Total Army—Regular, National Guard, Reserve, and Civilian—are the Strength of the Nation.

- ❖ The overall Total Army Requested in FY 2019 is **1,225,303** (**1,030,500** Soldiers and **194,803** Civilians).
- ❖ The Regular Army's **487,500** Soldiers requested in the FY 2019 Budget Request comprise **47%** of the Army's military strength and provide Forces capable of responding quickly across the spectrum of conflict. They represent the Nation's dominant landpower response.
- ❖ The Army Reserve's **199,500** Soldiers and the Army National Guard's **343,500** Soldiers – requested in FY 2019—comprise **53%** of the Total Army military Force. They fulfill vital national defense and homeland civil support roles and provide operational flexibility to Combatant Commands that complements the Regular Army in responding to National Security threats.
- ❖ The Army's Civilian Workforce's **194,803** personnel serve the Nation by providing expertise and continuity at home and abroad. Across all Components.

# Military Personnel

## SOLDIERS: THE STRENGTH OF OUR ARMY



U.S. Soldiers conduct training: Belgium



U.S. Soldiers conduct training: Republic of Korea

### The FY 2019 Budget Request

- ❖ Funds Regular Army end strength of 487,500
- ❖ Funds Army National Guard end strength of 343,500 and Army Reserve end strength of 199,500
- ❖ Provides a 2.6% military basic pay raise, 2.9% basic allowance for housing increase and a 3.4% basic allowance for subsistence increase
- ❖ Provides incentives to recruit and retain the All-Volunteer Force, such as recruiting and retention bonuses, education benefits, and loan repayments
- ❖ Provides payment into the Medicare-Eligible Retiree Health Care Fund for eligible beneficiaries and their dependents and survivors
- ❖ Continues to incorporate the blended retirement system enacted as part of the FY 2016 National Defense Authorization Act (P.L. 114-92)
- ❖ Request also supports 23,880 Selected Reserve, ordered to active duty (12304b) man years - 2,230 in the base request and 21,650 in the OCO request. OCO includes 2,095 man years for EDI.
- ❖ Continues to man the Force, take care of Soldiers and Families, and sustain the quality of Army personnel

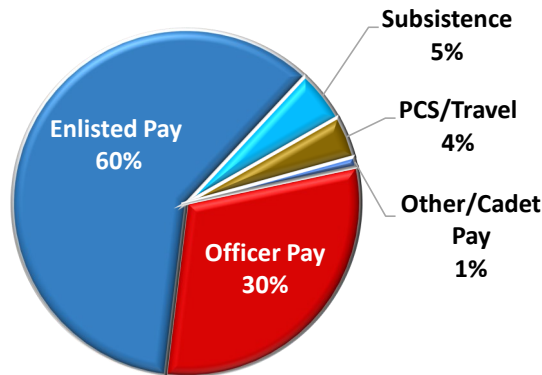
### MILITARY PERSONNEL SUMMARY

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Regular Army	41,534	2,684	44,217	43,671	2,929	46,600
Army National Guard	8,379	185	8,564	8,744	195	8,940
Army Reserve	4,805	25	4,830	4,956	37	4,993
Medicare-Elig Ret Health Care Fund	3,331	0	3,331	3,214	0	3,214
<b>Totals</b>	<b>58,049</b>	<b>2,893</b>	<b>60,942</b>	<b>60,585</b>	<b>3,161</b>	<b>63,746</b>



# Military Personnel

## Regular Army



The Military Personnel, Army, appropriation budget sustains the All-Volunteer Force by providing Regular Army basic and special pays, retired pay accrual, allowances for subsistence (rations), and housing; recruiting and retention incentives; permanent change of station moves; death gratuities; and unemployment compensation benefits, as well as Reserve Officer Training Corps and United States Military Academy cadet stipends.

In FY 2019, the entire Regular Army end strength of 487,500 is fully funded in the base.

The FY 2019 Budget Request meets Army manning goals by providing mission and location-specific entitlements for Soldiers and their Families across the world. It also includes critical force shaping tools required to recruit and retain the key skill sets the Army needs to maintain a premier All-Volunteer Force.

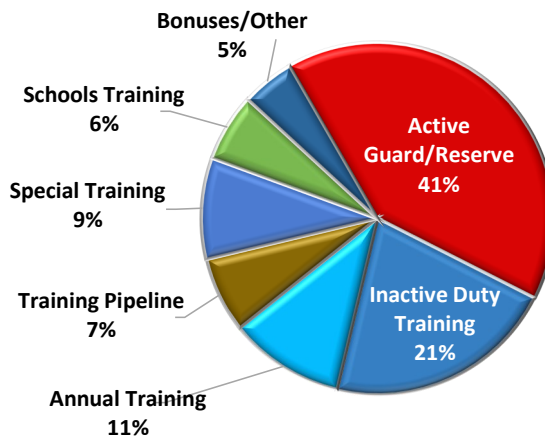
In FY 2019, personnel accounts continue to incorporate the blended retirement system enacted as part of the FY 2016 National Defense Authorization Act (P.L. 114-92).

## MILITARY PERSONNEL, ARMY

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Officer Pay and Allowances	12,672	838	13,510	13,153	955	14,108
Enlisted Personnel Pay and Allowances	24,857	1,454	26,311	26,458	1,502	27,960
Subsistence of Enlisted Personnel	1,852	310	2,162	1,894	376	2,270
Permanent Change of Station	1,767	28	1,795	1,785	41	1,826
Other Personnel Costs	303	54	357	295	55	350
Cadet Pay and Allowances	82	0	82	87	0	87
<b>Totals</b>	<b>41,534</b>	<b>2,684</b>	<b>44,217</b>	<b>43,671</b>	<b>2,929</b>	<b>46,600</b>
<i>Medicare-Eligible Retiree Health Care Fund</i>	<i>2,193</i>	<i>0</i>	<i>2,193</i>	<i>2,142</i>	<i>0</i>	<i>2,142</i>

# Military Personnel

## Army National Guard



The National Guard Personnel, Army, appropriation supports individual and collective readiness as well as full-time Active Guard and Reserve (AGR) manning, benefits and bonuses throughout the Army National Guard, assuring the nation of a Force ready to quickly and adeptly respond to overseas contingencies and domestic emergencies. Funded programs include Inactive Duty for Training (IDT), Annual Training (AT), individual schools, special training, and Active Duty for Operational Support (ADOS) — all of which ensure continuity of daily operations in support of a trained and ready Force. Additionally, the appropriation funds incentives and benefits (enlistment bonuses), loan repayment programs, death gratuities, disability and hospitalization, and education benefits (i.e., Post-9/11 GI Bill). The FY 2019 Budget Request supports sustained end strength of 343,500 and includes 30,595 AGRs.

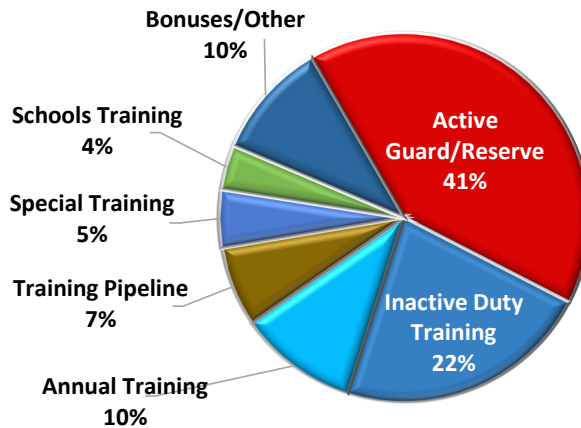
### NATIONAL GUARD PERSONNEL, ARMY

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Active Guard/Reserve	3,500	4	3,504	3,642	4	3,646
Inactive Duty Training	1,792	3	1,795	1,896	3	1,899
Annual Training	832	36	868	909	44	953
Training Pipeline (Pay Groups F and P)	635	0	635	619	0	619
Special Training	697	133	830	695	136	831
Schools Training	571	3	574	555	3	558
Bonuses	232	0	232	261	0	261
Other Incentives/Benefits	120	5	125	167	5	172
<b>Totals</b>	<b>8,379</b>	<b>184</b>	<b>8,564</b>	<b>8,744</b>	<b>195</b>	<b>8,940</b>
<i>Medicare-Eligible Retiree Health Care Fund</i>	721	0	721	685	0	685



# Military Personnel

## Army Reserve



The Reserve Personnel, Army, appropriation budget supports training that promotes Army Reserve individual, collective readiness, and schools training. The FY 2019 Budget Request funds pay and allowances for full-time Active Guard and Reserve (AGR) and part-time Reserve Soldiers performing duty in several training categories, including Inactive Duty Training (IAT), Annual Training (AT), Active Duty for Training (ADT), and Active Duty for Operational Support (ADOS). The FY 2019 Budget Request continues the Army's plan to transform the Army Reserve from a strategic reserve to an operational Force. The FY 2019 Budget Request funds an end strength of 199,500 Soldiers and includes 16,386 AGRs. Incentives and benefits include disability and hospitalization, death gratuities, and education benefits.

## RESERVE PERSONNEL, ARMY

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Active Guard/Reserve	1,942	0	1,942	2,042	0	2,042
Inactive Duty Training	1,100	0	1,100	1,116	0	1,116
Annual Training	510	0	510	523	0	523
Special Training	306	25	331	311	37	348
Schools Training	244	0	244	254	0	254
Bonuses	187	0	187	195	0	195
Other Training Support	503	0	503	500	0	500
Other Incentives/Benefits	13	0	13	14	0	14
<b>Totals</b>	<b>4,805</b>	<b>25</b>	<b>4,830</b>	<b>4,955</b>	<b>37</b>	<b>4,993</b>
<i>Medicare-Eligible Retiree Health Care Fund</i>	417	0	417	387	0	387

# Civilian Workforce

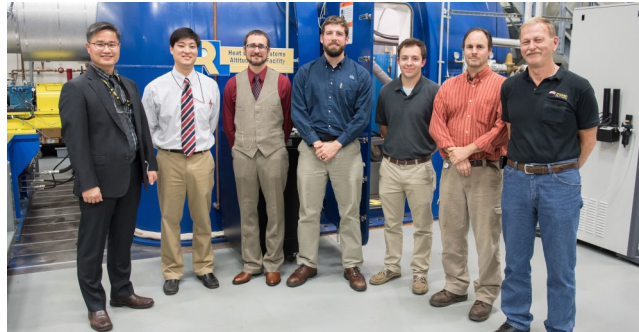
Army Civilians are an integral part of mission readiness and support critical capabilities such as Combat Training Centers and range maintenance and operations; acquisition and modernization; Cyberspace operations; facilities operations and sustainment; Family services; prepositioned stocks; security services and force protection; depot maintenance and arsenal operations; and administrative activities not requiring military essential skills or personnel.

In compliance with the Digital Accountability and Transparency Act of 2014 (DATA Act), Army restructured and consolidated the majority of its internally-reimbursed manpower population in the Program Executive Offices and other organizations; the impacted Civilians were converted to direct funded.

No Civilian pay raise is budgeted for FY 2019.



U.S. Army Civilians: TRADOC



U.S. Army Research Laboratory Civilians

## Department of the Army Civilian Personnel Full-Time Equivalents (Direct and Reimbursable)

Appropriation	FY18	FY19
Operation and Maintenance	151,917	151,733
Regular Army	113,895	113,952
Army National Guard	27,520	27,610
Army Reserve	10,502	10,171
Research, Development, Test, & Evaluation	15,769	16,111
Military Construction	5,183	5,058
Army Family Housing	546	525
Army Working Capital Fund	21,150	21,175
Cemeterial Expenses, Army	201	201
<b>Totals</b>	<b>194,766</b>	<b>194,803</b>



# Operation and Maintenance



U.S. Army Soldiers conduct a live fire exercise



M777A2 Howitzer Training



U.S. Army Soldiers conduct training: Italy

## Overview

The FY 2019 President’s Budget Operation and Maintenance (O&M) request provides for current and future readiness to increase overmatch capabilities to deter our adversaries and when necessary fight and win – ensuring the Army remains the world’s preeminent ground fighting Force. Support of the O&M request is critical, since the Army will simultaneously be improving global posture and readiness, while continuing to provide Homeland Defense and Global Counter-terrorism operations. Funded activities strengthen Decisive Action readiness throughout a larger, more capable, more lethal Joint Force, while simultaneously enabling Combatant Commanders to defeat enemies in ongoing conflicts.

As such, the FY 2019 O&M budget request fully supports the Army’s commitment to build capacity and improve lethality, while also supporting Defense Reform initiatives. O&M funds the full range of Army Total Force activities, recruiting America’s sons and daughters, transforming them from private citizens into Soldiers, training units for the multi-domain battle, defending the homeland, and projecting power. Additionally, this request continues to provide for the quality of life our Soldiers, Families, and Army Civilians deserve. O&M also funds critical installation operations, facility maintenance, and sustainment of the Army’s equipment. This budget request provides resources to leverage readiness gains anticipated in FY 2018 and supports the increase of Army end strength to a Total Force of 1,030,500 Soldiers. O&M also continues support to Operation FREEDOM’S SENTINEL, Operation INHERENT RESOLVE, and the European Deterrence Initiative in OCO.

## OPERATION AND MAINTENANCE SUMMARY

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Regular Army</b>	38,966	16,999	55,965	42,009 <sup>2</sup>	18,211	60,220
<b>Army National Guard</b>	7,363	108	7,471	7,399	111	7,510
<b>Army Reserve</b>	2,919	25	2,944	2,917	42	2,959
<b>Environmental Restoration</b>	216	0	216	203	0	203
<b>Totals</b>	<b>49,464 <sup>1</sup></b>	<b>17,132</b>	<b>66,596</b>	<b>52,529</b>	<b>18,363</b>	<b>70,892</b>

1: Includes \$88.1M Hurricane Supplemental.

2: Includes \$5.0 Billion in OCO funding for Base purposes.

# Operation and Maintenance

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We continue to restore unit readiness as we provide increased global posture throughout the Asia-Pacific, Europe, and the Middle East. The Army increases warfighting capacity by converting an Infantry BCT to an Armored BCT and increasing Security Force Assistance Brigades (SFABs) from two to six. SFABs enable Combatant Commanders to shape their areas of responsibility in ways that deter and prevent conflict, which enables the United States and its allies and partners to prevail if conflict becomes necessary. FY 2019 increases the security posture in the Asia Pacific while continuing to deter aggression in Europe. The Reserve Components remain key to our ability to meet Combatant Commanders' demands for land Forces; therefore, the request improves the Army National Guard BCT training strategy from five to four years. The FY 2019 O&M request focuses on Total Force capacity and readiness increases, which are vital to preserving the U.S. Army's role as the provider of the world's premier land Force.

The FY 2019 budget request funds activities that contribute to unit readiness and quality of life, along with increasing the safety and security of our installations and facilities. Specifically, funding for facility sustainment increases from 76 percent of the Department of Defense Facilities Sustainment Model (FSM) in FY 2018 to 80 percent in FY 2019. The Army is also continues to prioritize funding towards restoration and modernization requirements; future risk could be further reduced if the Army is permitted to divest unneeded infrastructure.

The FY 2019 request maintains the Army's commitment to investing in the development of the military and Civilian workforces, which provide the innovation, versatility, and strength to prevail across the range of military operations. Growing competent and capable leaders takes many years and is our single largest investment. The Civilian workforce performs vital functions and sets the pace for readiness generation in support of the end strength growth; FY 2019 makes small increases to civilian manpower in high impact areas.

The Army remains committed to preventing sexual harassment and sexual assault, and responding to it appropriately.



U.S. Army Soldiers conduct training exercises during Warrior Strike IX : South Korea

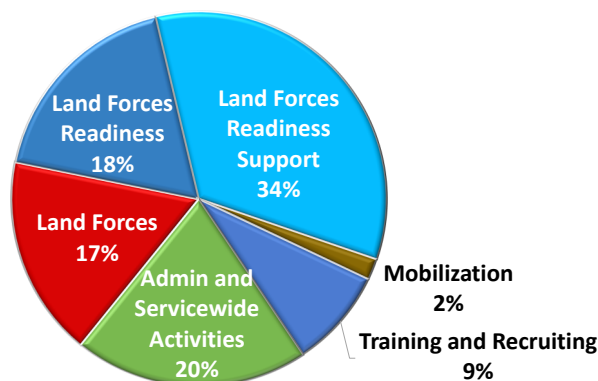


Top Right: U.S. Soldiers conduct training while a UH-60 Black Hawk flies overhead.

Bottom Right: U.S. Army Combat medics prepare to receive patients during training: Germany

# Operation and Maintenance

## Regular Army



The Operation and Maintenance, Army (OMA) appropriation budget request provides funding to organize, train, and sustain the All-Volunteer Army, enabling the Joint Force with decisive, sustainable land power to conduct Unified Land Operations in support of geographic Combatant Commanders' demands. OMA funding supports generating and maintaining current and future warfighting readiness, strategic mobilization, recruiting and individual training, and sustaining the Force. The Army continues to rebuild Readiness as a top priority and will maintain 31 Active Component Brigade Combat Teams (BCTs) and 11 Combat Aviation Brigades in FY 2019 with plans to convert an additional Infantry BCT to an Armored BCT and to grow Security Force Assistance Brigades (SFABs) from two to five during the fiscal year. The request supports growth in Total Force end strength to 1,030,500 through the areas of recruiting, institutional training, and Soldier and Family programs. Overall, the FY 2019 OMA request provides a larger, more capable, more lethal Force with the ability to fight and win in ground combat in support of the National Military Strategy. In OCO, OMA continues support to Operation FREEDOM'S SENTINEL, Operation INHERENT RESOLVE, and the European Deterrence Initiative.

## OPERATION AND MAINTENANCE, ARMY

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Operating Forces</b>	23,773	14,770	37,705	25,906	15,876	41,782
Land Forces	5,624	3,177	8,801	6,734	3,705	10,439
Land Forces Readiness	5,586	3,391	8,977	6,304	4,613	10,917
Land Forces Readiness Support	11,945	7,970	19,078	12,230	7,209	19,439
Combatant Command Support	617	231	848	637	349	987
<b>Mobilization</b>	777	57	834	952	159	1,111
<b>Training and Recruiting</b>	5,109	0	5,109	5,141	0	5,141
Accession Training	760	0	760	779	0	779
Basic Skill and Advanced Training	2,979	0	2,979	2,934	0	2,934
Recruiting/Other Training and Education	1,371	0	1,371	1,428	0	1,428
<b>Admin and Servicewide Activities</b>	9,308	2,173	11,444	10,010	2,175	12,185
Security Programs	1,242	1,083	2,324	1,260	1,074	2,334
Logistics Operations	2,612	817	3,395	2,677	800	3,478
Servicewide Support	4,991	272	5,263	5,582	301	5,883
Support of Other Nations	463	0	463	491	0	491
<b>Totals</b>	<b>38,966</b> <sup>1</sup>	<b>16,999</b>	<b>55,965</b>	<b>42,009</b> <sup>2</sup>	<b>18,211</b>	<b>60,220</b>

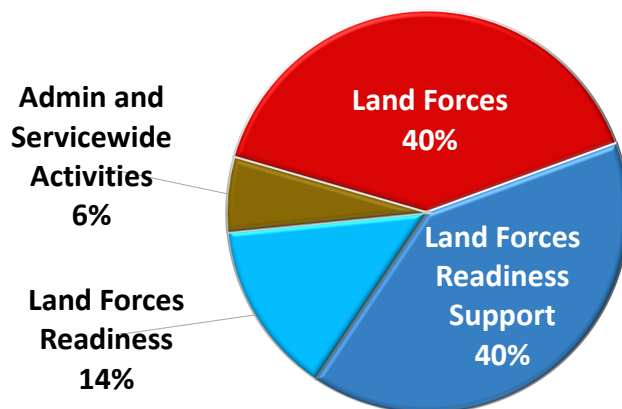
1: Includes \$20.1M Hurricane Supplemental.

2: Includes \$5.0 Billion in OCO funding for Base purposes.



# Operation and Maintenance

## Army National Guard



The Operation and Maintenance, Army National Guard, appropriation budget request provides funds for day-to-day operations, readiness, administration, logistics, and communication activities of Army National Guard units across 50 states, 3 territories, and the District of Columbia. With the anticipation of more units in the domestic force pool, the Army National Guard will fund an increase in the number of Soldiers participating in individual and collective training events. Increased investments are made to continue the process of restoring readiness and base operations support. Additionally, funding continues to support Family and Soldier programs that promote well-being to the Army National Guard's most valuable asset—its Soldiers and Families. FY 2019 President's Budget request provides funding for four Army National Guard CTC rotations and will allow the Army National Guard to achieve Company level proficiency.

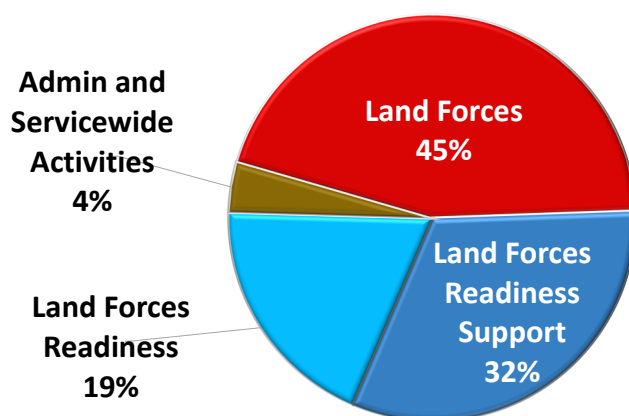
### OPERATION AND MAINTENANCE, NATIONAL GUARD

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Operating Forces</b>	6,910	107	7,017	6,965	110	7,075
Land Forces	2,855	82	2,937	2,847	84	2,932
Land Forces Readiness	1,074	6	1,080	1,057	6	1,063
Land Forces Readiness Support	2,981	19	3,000	3,060	20	3,080
<b>Admin and Servicewide Activities</b>	453	1	453	434	1	435
Recruiting and Advertising	269	0	269	255	0	254
Administration	79	0	79	73	0	73
Servicewide Communications	85	1	86	83	1	84
Servicewide Transportation	8	0	8	10	0	10
Manpower Management	9	0	8	11	0	11
Real Estate Management	3	0	3	3	0	3
<b>Totals</b>	<b>7,363</b> <sup>1</sup>	<b>108</b>	<b>7,471</b>	<b>7,399</b>	<b>111</b>	<b>7,510</b>

1: Includes \$55.5M Hurricane Supplemental.

# Operation and Maintenance

## Army Reserve



The Operation and Maintenance, Army Reserve, appropriation budget request provides funds for operations, logistics, administration, maintenance and management support for the Army Reserve. The budget supports readiness of our Soldiers with training during weekend assemblies and collective training during Annual Training, and other exercises. Additionally, the budget provides for installation management, maintenance of real property, and personnel support to Retirees, Veterans, and their Families. With a focus on the Army's Ready and Resilient Campaign, the FY 2019 budget provides essential funding for the Sexual Harassment/Assault Response and Prevention Program, Suicide Prevention, Family Support, and Transition Programs to include the Soldier for Life Transition Assistance Program. The FY 2019 budget continues the Army's plan to transform the Army Reserve into a Force prepared to prevail in current and future conflicts while supporting the homeland with sustained cyclical readiness of units and Soldiers.

### OPERATION AND MAINTENANCE, ARMY RESERVE

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Operating Forces</b>	2,806	25	2,830	2,797	42	2,839
Land Forces	1,338	6	1,344	1,304	21	1,324
Land Forces Readiness	558	1	559	571	1	572
Land Forces Readiness Support	909	18	927	923	20	943
<b>Admin and Servicewide Activities</b>	114	0	114	120	0	120
<b>Totals</b>	<b>2,919</b> <sup>1</sup>	<b>25</b>	<b>2,944</b>	<b>2,917</b>	<b>42</b>	<b>2,959</b>

1: Includes \$12.5M Hurricane Supplemental.

# Research, Development, and Acquisition

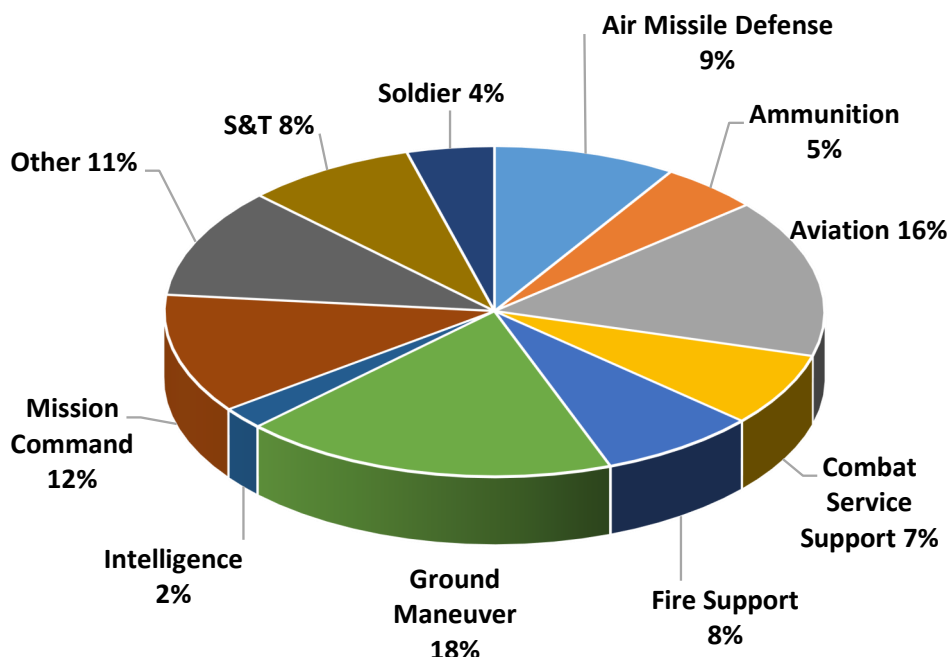
## Overview

The Army's FY19 Research, Development and Acquisition budget request of \$32.1 billion represents an increase of \$4.2 billion from the FY18 amended President's Budget requested level with the majority of the increase residing within our Weapons, and Tracked Combat Vehicles and Other Procurement, Army appropriations.

The overmatch that the United States military has enjoyed over the last several decades which enabled our Army to defeat the enemy formations has been eroding. Adversaries now have access to technologically advanced weaponry and have rapidly improved their warfighting capabilities. Soon, if not already, the U.S. military will be challenged in every domain of warfare: space, cyber, maritime, air, and land.

In response to the challenge, the Army has developed a Modernization Strategy with the focus of making Soldiers and units more lethal to fight and win our Nation's Wars. The Modernization Strategy consists of six priorities: Long Range Precision Fires, Next Generation Combat Vehicle, Future Vertical Lift, Network, Air and Missile Defense, and Soldier Lethality. This strategy involves institutional reform to consolidate Army modernization "end-to-end;" promote a culture of innovation and accountability; realign Science and Technology (S&T) efforts with the Army's modernization priorities to include significantly expand prototyping; divest unnecessary capabilities; and improve effectiveness of the Army's requirements, research, experimentation, capability development, procurement and fielding processes.

The FY19 Budget request advances the implementation of this Modernization Strategy by aligning \$234M of Science and Technology (S&T) funding across the Modernization Priorities. It also addresses capability gaps by increasing investments to improve lethality in Combat Vehicles, Aircraft and preferred key munitions and continues the changes to the Army Network, enabling a lethal fighting Force that can win our Nation's Wars.





# Procurement Summary

## The FY 2019 Budget Request Supports

- ❖ UH-60M Black Hawk (\$1,116 APA). FY19 funding supports the procurement of 50 aircrafts (49 Base, 1 OCO). Component break-out: Active = 40, NG=9, USAR = 0
- ❖ AH-64E Apache Block IIIA Reman. (\$928M APA). FY19 funding supports Advance Procurement (AP), Full Rate Production (FRP) of AH-64E Apache Reman aircraft and associated support. The Apache Component break-out: Active = 48, NG = 0, USAR = 0
- ❖ Patriot MSE Missile (\$1,131M MIPA). This supports the production of 240 Missile Segment Enhancement (MSE) missiles (179 Base, 61 OCO), 40 Launcher Mod Kits (LMK), Field Surveillance Program supporting equipment, ancillary missile items, PAC-3 Missile Support Center (P3MSC), Obsolescence, and System Engineering/Program Management (SE/PM) support.
- ❖ MLRS Mods (\$313M). This supports recapitalization of 46 MLRS launchers from M270A0 configuration to M270A2, including production of 55 Improved Armored Cabs (IAC) for the Fleet Expansion Effort.
- ❖ Abrams Upgrade Program (\$1,531M WTCV). This supports the upgrade of 135 M1A1 (95 Base, 40 OCO) vehicle variants to the M1A2 System Enhancement Package (SEP) v3 variant to enhance tank survivability, the automotive power pack, computer systems and night vision capabilities. Component break-out: Active = 135
- ❖ M1 Abrams Tank (Mod) (\$962M WTCV). This supports the procurement and field application of the following efforts: procurement and field application of Ammunition Data Link and Common Remote Operated Weapon Station Low Profile and support of the Total Integrated Engine Revitalization and Transmission programs, Direct support Electrical System Test Sets and upgrades to Training Aids, Devices, Simulators and Simulations (TADSS).
- ❖ Bradley Program (Mod & Upgrade) (\$880M WTCV) (149 Base, 61 OCO). This supports the procurement of multiple modifications to the Bradley Family of Vehicles including the upgrade kits for suspension, track upgrades, power train and electrical upgrades as well as obsolescence mitigation to the Bradley Advanced Training System (BATS). Additionally, this supports converting sixty-one (61) M7A2 ODS-SA vehicle to the M2A4/M7A4 configuration.
- ❖ Joint Lightweight Tactical Vehicle (JLTV) (\$1,319M) Funds procure 3,390 JLTVs. It is the centerpiece of the Army's Tactical Wheeled Vehicle modernization strategy replacing approximately one third of the light wheeled vehicle fleet by 2041.

## PROCUREMENT SUMMARY

\$M	FY18 Request			FY 19 Request		
	Base	OCO	Total	Base	OCO	Total
Aircraft (APA)	4,150	425	4,575	3,783	363	4,146
Missile (MIPA)	3,605 <sup>1</sup>	358	3,962	3,356	1,802	5,158
Weapons and Tracked Combat Vehicles (WTCV)	2,424	1,191	3,615	4,489	1,107	5,596
Ammunition (PAA)	1,879	193	2,073	2,235	310	2,544
Other Procurement (OPA)	6,469	406	6,875	8,000	1,382	9,382
<b>Totals</b>	<b>18,527</b>	<b>2,573</b>	<b>21,099</b>	<b>21,862</b>	<b>4,964</b>	<b>26,826</b>

1: Includes \$0.9B Missile Defeat and Defense and \$0.2B in OCO for Base purposes.

# Aircraft



AH-64 Apache



Raven



UH-60 Blackhawk

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Aircraft</b>	<b>2,878</b>	<b>126</b>	<b>3,004</b>	<b>2,726</b>	<b>106</b>	<b>2,832</b>
CH-47 Chinook Cargo Helicopter MYP	203	0	203	99	25	203
CH-47 Chinook Cargo Helicopter Adv Proc	18	0	18	24	0	24
UH-60 Black Hawk Helicopter MYP	938	0	938	989	21	1,010
UH-60 Black Hawk Helicopter Adv Proc	86	0	86	106	0	106
AH-64 Apache Block IIIA Reman	726	39	765	753	0	753
AH-64 Apache Block IIIA Reman Adv Proc	171	0	171	175	0	175
AH-64 Apache Block IIIB New Build	374	0	374	285	0	285
Adv Procurement	72	0	72	59	0	59
Light Utility Helicopter	108	0	108	0	0	0
MQ-1 Gray Eagle	30	87	118	43	60	103
Utility Fixed Wing	75	0	75	1	0	1
UH-60 Blackhawk A- and L-Models	77	0	77	146	0	146
RQ-11 Raven	0	0	0	46	0	46
<b>Modifications</b>	<b>973</b>	<b>115</b>	<b>1,088</b>	<b>811</b>	<b>149</b>	<b>960</b>
MQ-1 Payloads	6	41	47	0	11	11
Universal Ground control Equipment (UAS)	15	0	15	27	0	27
Gray Eagle Mods2	74	0	74	98	32	130
RQ-7 Shadow Unmanned Aerial Vehicle	83	0	83	103	51	154
AH-64 Apache Mods	238	0	238	105	0	105
Utility Helicopter Mods	6	0	6	6	0	6
CH-47 Cargo Helicopter Mods	20	0	20	8	0	8
Network and Mission Plan	142	0	142	124	0	124
Comms, Nav Surveillance	166	4	170	162	0	162
Global Air Traffic Management (GATM)	37	0	37	27	0	27
Utility/Cargo Airplane Mods	58	0	58	18	0	18
UAS Mods	26	0	26	18	3	21
Multi-Sensor Airborne Reconnaissance	69	33	102	52	51	103
Guardrail/Common Sensor SEMA Mods	6	0	6	6	0	6
Airborne Recon-Low SEMA Mods	12	0	12	8	0	8
Enhanced Med Alt Recon/Surv System SEMA Mods	15	36	51	20	36	20
Degraded Visual EQT	0	0	0	30	0	30
<b>Support Equipment and Facilities</b>	<b>299</b>	<b>183</b>	<b>482</b>	<b>245</b>	<b>108</b>	<b>353</b>
Survivability Counter Measures	6	0	6	6	0	6
Aircraft Survability Equipment	71	0	71	57	0	57
Common Missile Warning System	27	140	167	13	84	98
CIRCM	6	43	50	37	24	61
Avionics Support Equipment	7	0	7	2	0	2
Common Ground Equipment	47	0	47	35	0	35
Aircrew Integrated Systems	47	0	47	27	0	27
Air Traffic Control	84	0	84	64	0	64
Industrial Facilities	1	0	1	1	0	1
Launcher, 2.75 in Rocket Industrial	2	0	2	2	0	2
<b>Totals</b>	<b>4,150</b>	<b>425</b>	<b>4,575</b>	<b>3,783</b>	<b>363</b>	<b>4,145</b>

# Missiles



Guided Multiple Launch Rocket System (GMLRS)



Avenger engages UAS with Stinger Missile



AH-64 Apache fires Joint Air Ground Missile

## MISSILES

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Other Missiles - Sub-Total</b>	<b>2,618</b>	<b>330</b>	<b>2,948</b>	<b>2,245</b>	<b>1,454</b>	<b>3,699</b>
Lower Air and Missile Defense	141	0	141	111	0	111
Guided Multiple Launch Rocket System Rkts	595	191	786	360	624	984
TOW-2 Missile	106	4	110	125	0	125
Javelin Missile	110	8	118	304	31	335
Hellfire Missile	296	77	373	0	255	255
Multiple Launch Rocket System Practice Rkts	28	0	28	21	0	21
Patriot MSE Missile	1,106	0	1,106	871	260	1,131
Joint Air-to-Ground MsIs	178	0	178	276	0	276
Indirect Fire Protection Capability-Inc2-I	58	0	58	177	0	177
Lethal Miniature Aerial Missile System	0	9	9	0	113	113
HIMARS	0	41	41	0	171	171
<b>Modification of Missiles – Sub-Total</b>	<b>986</b>	<b>28</b>	<b>1,014</b>	<b>1,076</b>	<b>348</b>	<b>1,459</b>
Patriot	496	0	496	313	0	313
High Mobility Artillery Rocket System	10	0	10	10	0	10
Multiple Launch Rocket System	138	0	138	383	122	505
Guided Multiple Launch Rocket System	1	0	1	0	0	0
Improved Target Acquisition System-TOW	3	0	3	3	0	3
Stinger	63	28	91	95	0	95
Avenger	63	0	63	49	0	49
Army Tactical Missile System	186	0	186	222	226	448
<b>Spares and Repair Parts – Sub-Total</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>28</b>	<b>0</b>	<b>28</b>
<b>Support Equipment &amp; Facilities – Sub-Total</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>8</b>	<b>0</b>	<b>8</b>
<b>Totals</b>	<b>3,605<sup>1</sup></b>	<b>358</b>	<b>3,962</b>	<b>3,356</b>	<b>1,802</b>	<b>5,158</b>

1: Includes \$0.9B Missile Defeat and Defense Enhancements . Includes \$201M in OCO for Base purposes.

# Weapons and Tracked Combat Vehicles



Abrams M1A2 SEPv3



Bradley Fighting Vehicle



AMPV

## WEAPONS AND TRACKED COMBAT VEHICLES

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Tracked Combat Vehicles</b>	<b>194</b>	<b>454</b>	<b>648</b>	<b>480</b>	<b>435</b>	<b>915</b>
Bradley Program	0	200	200	0	205	205
Armored Multi-Purpose Vehicle (AMPV)	194	254	448	480	230	710
Stryker	0	0	0	0	0	0
<b>Modifications: Tracked Combat Vehicles</b>	<b>2,022</b>	<b>737</b>	<b>2,759</b>	<b>3,638</b>	<b>648</b>	<b>4,286</b>
Stryker (MOD)	98	0	98	287	0	287
Stryker Upgrade	0	0	0	22	0	22
Bradley Program (MOD)	445	30	475	625	50	675
M109 FOV Modification	64	0	64	26	0	26
Paladin Integrated Management (PIM)	646	126	772	352	67	419
Improved Recovery Vehicle	72	0	72	111	42	153
Assault Bridge (MOD)	6	0	6	2	0	2
Assault Breacher Vehicle	34	0	34	62	0	62
M88 Family of Vehicles (MOD)	5	0	5	5	0	5
Joint Assault Bridge	128	0	128	142	0	142
M1 Abrams Tank (MOD)	249	138	387	928	34	962
Abrams Upgrade Program	275	443	718	1,076	455	1,531
<b>Weapons and Other Combat Vehicles</b>	<b>87</b>	<b>0</b>	<b>87</b>	<b>276</b>	<b>17</b>	<b>293</b>
Integrated Air Burst Weapons System	0	0	0	0	0	0
M240 Medium Machine Gun	2	0	2	2	0	2
Multi-role Anti-Armor Personnel Weapons Systems	7	0	7	23	0	23
Machine Gun, Cal .50M2 Roll	0	0	0	8	0	8
Mortar Systems	21	0	21	13	12	25
M320 Grenade Launcher Module	5	0	5	1	0	1
Compact Semi-Automatic Sniper System	0	0	0	46	0	46
Carbine-M4A1	43	0	43	69	2	71
Small-Fire Control	0	0	0	8	0	8
Common Remotely Operated Wpns Station	1	0	1	36	3	39
Handgun	8	0	8	48	0	48
<b>Mods: Weapons/Other Combat Vehicles</b>	<b>113</b>	<b>0</b>	<b>113</b>	<b>87</b>	<b>5</b>	<b>92</b>
<b>Support Equipment and Facilities</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>2</b>	<b>10</b>
<b>Totals</b>	<b>2,424</b>	<b>1,191</b>	<b>3,615</b>	<b>4,489</b>	<b>1,107</b>	<b>5,596</b>



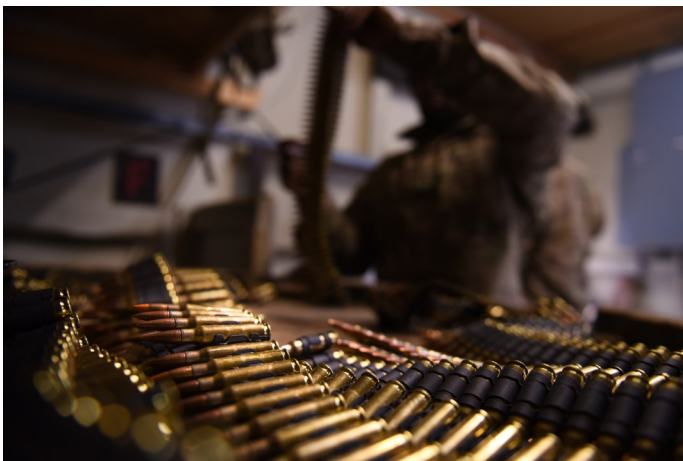
# Ammunition



Artillery Projectile 155mm High Explosive

## AMMUNITION

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Small/Medium Cal Ammunition	362	37	398	370	30	400
Mortar Ammunition	198	0	198	175	1	176
Tank Ammunition	134	0	134	168	0	168
Artillery Ammunition	363	43	407	588	216	804
Mines	4	12	16	16	0	16
Rockets	166	101	267	216	62	278
Other Ammunition	65	1	66	97	0	97
Miscellaneous	56	0	56	50	1	50
Production Base Support	531	0	531	555	0	555
<b>Totals</b>	<b>1,879</b>	<b>193</b>	<b>2,073</b>	<b>2,235</b>	<b>310</b>	<b>2,544</b>



Cartridge, 7.62mm



60mm Mortar

# Other Procurement

## Tactical and Support Vehicles/Other Support Equipment



Joint Light Tactical Vehicle (JLTV)



Tactical Bridging

\$M	FY 18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Tactical and Support Vehicles</b>	<b>1,246</b>	<b>147</b>	<b>1,392</b>	<b>1,908</b>	<b>387</b>	<b>2,295</b>
Family of Medium Tactical Vehicles	79	0	79	133	0	133
Family of Heavy Tactical Vehicles	82	26	108	138	115	253
Joint Light Tactical Vehicle	804	0	804	1,319	0	1,319
Modification of In-Service Equipment	84	65	149	79	186	265
All Other Vehicles and Trailers	188	56	244	222	0	222
Non-Tactical Vehicles	9	0	9	18	85	103
ARNG HMMWV Modernization	0	0	0	0	0	0
<b>Other Support Equipment</b>	<b>1,359</b>	<b>58</b>	<b>1,417</b>	<b>1,926</b>	<b>247</b>	<b>2,173</b>
Training Equipment	457	3	459	443	0	443
Combat Service Support Equipment	119	2	121	222	65	287
Construction Equipment	114	6	120	112	26	138
Smoke/Obscurants Systems	22	4	26	184	61	245
Test Measurement Diagnostic Equip	43	8	51	90	9	99
Engineer Equipment (Non- Const)	98	0	99	156	21	177
Bridging Equipment	59	0	59	243	0	243
Generators	123	1	124	142	1	143
Medical Equipment	43	26	69	58	17	75
Petroleum Equipment	55	0	55	42	0	42
Rail Float Containerization Equipment	23	0	23	36	0	36
Material Handling Equipment	9	0	9	13	0	13
Maintenance Equipment	37	1	38	42	1	43
Support Equipment	156	9	165	144	45	189
<b>Totals</b>	<b>2,605</b>	<b>205</b>	<b>2,809</b>	<b>3,834</b>	<b>634</b>	<b>4,468</b>



# Other Procurement

## Communication-Electronic/Initial Spares



U.S. Soldiers Set up an OE-254 Antenna



Communication support for Hurricane Irma

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
<b>Communications</b>						
Joint Communications	675	5	680	701	0	701
Combat Communications	440	1	441	621	46	667
Satellite Communications	271	0	271	250	7	257
Base Communications	329	3	332	341	69	410
Information Security	166	0	166	153	0	153
Intel Communications	14	0	14	13	10	23
Long Haul Communications	44	0	44	34	0	34
Command, Control Communications	3	0	3	21	0	21
<b>Electronic Equipment</b>						
Tactical Surveillance	997	65	1,062	1,146	459	1,605
Tactical Command and Control	246	9	255	170	0	170
Electronic Warfare	32	36	68	24	76	100
Tactical Intelligence and Related Activities	370	82	452	345	52	397
Automation	202	0	202	325	29	354
Audio-Visual Systems	8	0	8	6	0	6
Support	30	0	30	5	0	5
Spares and Repair Parts	38	0	38	10	0	10
<b>Totals</b>	<b>3,865</b>	<b>201</b>	<b>4,066</b>	<b>4,165</b>	<b>748</b>	<b>4,913</b>

# Other Procurement

## KEY NETWORK MODERNIZATION PROGRAMS

- ❖ Joint Battle Command-Platform. Provides critical situational awareness, command and control, and location information of mounted Forces on the battlefield, from the brigade down to platoon.
- ❖ Tactical Network Technology Mod In Svc. Provides technology refresh and modernization of the WIN-T tactical communications network to enable secure communications from Company to Battalion, Brigade, Division, Corps, and Army headquarters.
- ❖ Handheld, Manpack and Small Form Fit Radios. Extends the network down to the squad/team leader using tactical Manpack and Rifleman Radio variants.
- ❖ Nett Warrior. Employs commercial smart phone devices with tactical applications networked through tactical radios to provide dismounted leaders real-time information on friendly positions, enemy activity and movement, navigational data and map imagery, and other mission related graphics, which effectively puts the power of the entire Army tactical network in the hands of the dismounted leader.

## MAJOR NETWORK PROGRAMS

\$M	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Joint Battle Command Platform	283	0	283	405	26	431
Tactical Network Technology Mod in Svc	150	0	150	469	0	469
Handheld Manpack Small Form Fit Radios	355	0	355	352	0	352
Nett Warrior	38	0	38	92	2	94
<b>Totals</b>	<b>826</b>	<b>0</b>	<b>826</b>	<b>1,318</b>	<b>28</b>	<b>1,346</b>



U.S. Soldiers set up AN/PRC-155 (Manpack) Radios



# Select Procurement Quantities (Base and OCO)



Abrams



Bradley



Paladin

Program	Quantities	
	FY 18	FY 19
AH-64E Apache Remanufacture	50	48
AH-64E Apache New Build	13	12
UH-60M Black Hawk	48	50
CH-47 Chinook	6	7
Abrams Upgrade	56	135
Bradley Upgrade/ MOD	195	210
Armored Multi-Purpose Vehicle (AMPV)	107	197
Paladin Integrated Management (PIM)	71	36
Joint Light Tactical Vehicle (JLTV)	2,498	3,390
Guided MLRS Rocket (GMLRS)	6,084	9,450
MSE Missile	240	240
ATACMS Service Life Extension Program (SLEP)	122	404
Javelin	572	784
155mm Artillery Projectile	16,573	148,287
Joint Battle Command - Platform (JBC-P)	16,552	26,355



Black Hawk



Apache



Chinook



GMLRS



AMPV



JLTV

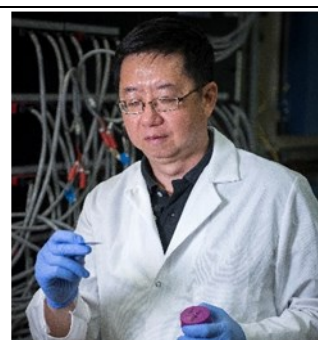
# Research, Development, Test, and Evaluation



U.S. Army Researchers conduct testing



Autonomous micro-robotics research



U.S. Army Research Lab

The FY 2019 Research, Development, Test, and Evaluation (RDTE) budget request of \$10,159M supports the full range of RDTE activities balancing upgrades to existing equipment that can be in Soldiers' hands in the next 10 years with developing next generation capabilities for the future fight. The major cornerstones of the Army's FY 2019 budget are Armored Systems Modernization, Engineering and Manufacturing Development, Science and Technology, Integrated Air and Missile Defense, Long Range Precisions Fires, Combat Vehicle Improvement, and Test Ranges and Facilities.

The Army continues its Science and Technology mission, dedicating \$2,392M for invention, maturation, and demonstration of technologies. Basic Research (\$445M) advances the frontiers of fundamental science and technology, driving long-term, game-changing capabilities for the Army. Applied Research (\$920M) develops and assesses current technologies for potential military applications. Advanced Technology Development (\$1,027M) demonstrates mature technology that can be applied to acquisition programs in the near term. Major FY 2019 Army Science and Technology investments include critical technology areas, such as tactical communication and networking, extended range munition suite, next generation training and simulation systems, combat vehicle and automotive technology, and high energy laser technology. Investments also address Emerging Threats by investing in Science and Technology focused on short-, medium-, and long-term capability gaps to maintain overmatch and win decisively over any potential adversary.

Army Science and Technology is a key part of the Army's modernization strategy, focused on maturing technology, reducing program risk, developing prototypes to better define affordable and achievable requirements, and conducting experimentation with Soldiers to refine new operational concepts. The Army depends on its Science and Technology to help prepare for future, mitigate the possibility of technical surprise, and ensure that we are able to remain dominant in any environment.

*(Continued on page 29)*

## RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

\$M	FY18 Request	FY19 Request
Basic Research	430	446
Applied Research	889	920
Advanced Technology Dev.	1,083	1,027
Demonstration/Validation	900	1,329
Engineering Manufacturing Support	3,013	3,193
Testing & Management Support	1,254	1,322
Operational System Development	1,878	1,923
<b>Totals</b>	<b>9,446</b>	<b>10,159</b>

# **Research, Development, Test, and Evaluation**

The Army continues to prioritize incremental upgrades of existing systems to place capability in the hands of Soldiers in the near future, while continuing efforts to develop next generation capabilities for the future fight, focusing on increased lethality, mobility, and protection.

- ❖ The Long Range Precision Fires (LRPF) (\$186M) program develops a cluster and insensitive munition compliant system that replaces and improves upon Army Tactical Missile System (ATACMS) capabilities while enabling an architecture which facilitates future growth. LRPF will have increased range, lethality, loadout, and an open systems architecture. The mission of the LRPF System is to attack/ neutralize/ suppress/ destroy targets using missile delivered indirect precision fires. Funding in FY 2019 continues development of competitive prototyping and flight demonstrations, and support integration of test assets for risk reduction activities.
- ❖ The Army Mobile Protected Firepower (\$394M) program supports Infantry Brigade Combat Teams (IBCTs) by providing protected, long range, precision direct-fire capability to ensure freedom of movement and action during offensive operations or defeat attacking enemy during defensive operations. Funding in FY 2019 will provide for prototypes, ballistic hulls, and test assets for developmental testing.
- ❖ The Army Combat Vehicle Prototyping (\$119M) focuses on the development of the next generation combat vehicles. The next generation combat vehicle will integrate new and emerging technologies in its design, improving lethality and protection, while reducing weight and power requirements. FY19 funding supports concept development, trade studies, technology maturation and testing, and prototyping and demonstration of combat vehicles (both manned and autonomous) to assess future concepts designs.
- ❖ The Army Abrams Tank Improvement Program (\$165M) Engineering Change Proposals (ECPs) for the Abrams Main Battle Tank are to restore lost capability, host inbound technologies, and to meet objective performance requirements called out in approved platform requirements documents. FY19 funds Lethality ECP; completes a preliminary design review; and begins critical design efforts. Power ECP completes live fire test and evaluation; continues production qualification testing; and begins follow-on operational test and evaluation.
- ❖ Bradley Improvement Program (\$167M) for Bradley Family of Vehicles is at or exceeds Space, Weight, and Power-Cooling (SWAP-C) limitations. It is to restore lost platform capability and to host other Army existing programs of record. The Bradley Fighting Vehicle program will execute a series of Engineering Change Proposals (ECPs). FY19 funding will integrate 3rd Generation (3GEN) Forward Looking Infrared Radar (FLIR) into the commander's independent viewer.
- ❖ Future Tactical Unmanned Aircraft Systems (FTUAS) (\$12M) is a critical system in the multi-domain battle concept that will employ cross- domain capabilities at all echelons and allow ground-based Forces to project power from land into other domains to defeat highly capable enemies, secure terrain, and consolidate gains. FTUAS encompasses an array of capabilities from platoon to Division Commanders. FY19 supports UAS aircraft, payload and Multi-Function Electronic Warfare (MFEW) experimentation which will inform FTUAS requirements, and Analysis of Alternatives (AoA).
- ❖ Maneuver – Short Range Air Defense (M-SHORAD) (\$95M) improves capabilities to defend maneuver formations and other tactical echelons from low altitude Fixed Wing, Rotary Wing, Unmanned Aerial Systems, and Rocket Artillery and Mortar threats. FY19 funding completes fabrication of production representative articles, and begins testing to achieve urgent materiel release (UMR).
- ❖ Army Test Ranges & Facilities funding (\$305M) for FY 2019 will support operational test activities and infrastructure, civilian pay, and contractor support for key elements of the DoD Major Range and Test Facility Base. It also funds to sustain Test & Evaluation capabilities for Army, Joint Service, and Other Service systems, materiel and technologies. Major systems supported include Common Missile Warning System, Rifleman Radio, and Patriot Advanced Capability-3.

# Military Construction/BRAC



Unmanned Aerial Vehicle Hanger, Fort Carson

## MILITARY CONSTRUCTION SUMMARY

(\$M)	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Regular Army	920	140	1,060	1,012	261	1,273
Army National Guard	730 <sup>1</sup>	0	730	180	0	180
Army Reserve	74	0	74	65	0	65
<b>Totals</b>	<b>1,724</b>	<b>140</b>	<b>1,864</b>	<b>1,257</b>	<b>261</b>	<b>1,518</b>

1: FY18 Base amount includes \$519M Hurricane Supplemental.

The FY 2019 Military Construction Budget request funds the Army's most critical facility needs for the Active and Reserve Components focusing on replacement of aging facilities that directly support unit-readiness with the largest investment in ranges/training facilities and maintenance and production facilities. Within these facility types are projects that continue the construction of the Command and Control/Operations Facilities at Fort Shafter, Hawaii. Other investment priorities include construction of barracks, and new facilities for the Reserves and National Guard.

This request funds 29 military construction projects in 22 states plus Germany, Korea, Honduras, and Kuwait.

- ❖ Regular Army: 19 projects, \$1,012M
- ❖ Army National Guard: 8 projects, \$180M
- ❖ Army Reserve: 2 projects, \$65M

## BASE REALIGNMENT AND CLOSURE

The FY 2019 Base Realignment and Closure (BRAC) Budget request supports the Army's remaining environmental clean-up and disposal efforts at existing BRAC properties.

(\$M)	FY18 Request	FY19 Request
Base Realignment and Closure	58	63



# Military Construction

## MILITARY CONSTRUCTION, ARMY

(\$M)	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Replace Aging Facilities	649	0	649	658	69	727
Planning and Design	101	25	126	110	21	131
Minor Construction	32	0	32	72	0	72
Barracks	60	115	175	73	0	73
Global Defense Posture	59	0	59	0	171	171
New Mission	19	0	19	99	0	99
<b>Totals</b>	<b>920</b>	<b>140</b>	<b>1,060</b>	<b>1,012</b>	<b>261</b>	<b>1,273</b>

## MILITARY CONSTRUCTION, ARMY NATIONAL GUARD

(\$M)	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Major Construction	659	0	659	145	0	145
Minor Construction	16	0	16	18	0	18
Planning and Design	55	0	55	17	0	17
<b>Totals</b>	<b>730</b> <sup>1</sup>	<b>0</b>	<b>730</b>	<b>180</b>	<b>0</b>	<b>180</b>

1: FY18 Base amount includes \$519M Hurricane Supplemental.

## MILITARY CONSTRUCTION, ARMY RESERVE

(\$M)	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Replace Aging Facilities	61	0	61	57	0	57
Minor Construction	6	0	6	2	0	2
Planning and Design	7	0	7	6	0	6
<b>Totals</b>	<b>74</b>	<b>0</b>	<b>74</b>	<b>65</b>	<b>0</b>	<b>65</b>



ARNG Pierce County Readiness Center, WA

# Army Family Housing



Camp Humphreys, Korea



New Construction Fort McCoy, WI

The FY 2019 Army Family Housing Operations budget supports the operation, maintenance and repair, utilities, and oversight of homes for Soldiers and their Families in both the United States and overseas. It provides funding for 10,210 Army-owned units; 4,744 leases; and portfolio and asset management for 85,288 privatized homes. This request also includes new construction of 234 Family Housing units (7 units at Fort McCoy, Wisconsin, 26 units at Fort Buchanan, Puerto Rico, 90 units at Camp Walker, Korea, and 111 units at Vicenza, Italy), and improvement construction of 72 units at Baumholder, Germany. The request also continues the new construction project that began in 2017 at Camp Humphreys, Korea.

## ARMY FAMILY HOUSING

(\$M)	FY18 Request	FY19 Request
<b>Construction</b>		
New Construction	115	280
Improvement Construction	34	32
Planning and Design	34	18
<b>Operations</b>		
Operation and Utilities	59	63
Maintenance	58	76
Utilities	60	58
Leasing	148	161
Privatization	21	19
<b>Totals</b>	<b>529</b>	<b>707</b>

# Other Accounts



Arlington National Cemetery

The Army National Cemetery Program is an Army account. The Army is DoD's financial management agent for the Chemical Agent and Munitions Destruction account. Army Working Capital Fund is an Army revolving account that directly supports the materiel readiness of operating units.

- ❖ Army National Cemetery Program funding (\$71M, Base) supports Arlington National Cemetery in Arlington, Virginia, and the Soldiers' and Airmen's Home National Cemetery in Washington, DC.
- ❖ Chemical Agent and Munitions Destruction funding (\$994M, Base) supports safe storage and destruction of the remaining chemical munitions stockpiles in Kentucky and Colorado and the Chemical Stockpile Emergency Preparedness Project for the Kentucky and Colorado facilities and surrounding communities.
- ❖ Army Working Capital Fund (\$165M, Base and OCO) provides for the acquisition of secondary items for Army Prepositioned Stocks and for Paladin Integrated Management engines.

## OTHER ACCOUNTS

(\$M)	FY18 Request			FY19 Request		
	Base	OCO	Total	Base	OCO	Total
Army National Cemetery and Construction	71	0	71	71	0	71
Chemical Agent and Munitions Destruction	962	0	962	994	0	994
Army Working Capital Fund	84	50	134	159	7	165



Pueblo Chemical Agent-Destruction Pilot Plant

# Overseas Contingency Operations

- ❖ Military Personnel budget request primarily funds pay and allowances, subsistence, training, and administrative support (Pre and Post Mobilization) for mobilized Reserve Component Soldiers. Other large drivers include the AC deployment costs and Subsistence-In-Kind costs.
- ❖ Operations and Maintenance budget request funds support Operation FREEDOM'S SENTINEL (Afghanistan); Operation INHERENT RESOLVE (Targeted operations against Islamic State in Iraq and the Levant); European Deterrence Initiative; Operation Spartan Shield (supporting Regionally Aligned Forces concept with partners in the Arabian Gulf region); and other Counter-Terrorism operations. These missions continue to evolve in response to the volatility of current events throughout those regions.
- ❖ Research, Development, and Acquisition accounts fund battle losses, ammunition replenishment, and the enhancement of prepositioned equipment stocks in Europe.
- ❖ Afghanistan Security Forces Fund provides assistance to the security forces of Afghanistan.
- ❖ Counter-ISIS Train and Equip Fund builds key security force capabilities, helps professionalize security forces, and promotes long-term stability of the Middle East region. This account replaces Iraq Train and Equip Fund (ITEF) and the Syria Train and Equip Fund (STEF).

## OVERSEAS CONTINGENCY OPERATIONS SUMMARY

(\$M)	FY17 Actuals	FY18 Request	FY19 Request
<b>Military Personnel (MILPERS)</b>	2,287	2,893	3,161
<b>Operation &amp; Maintenance (O&amp;M)</b>	15,925	17,132	18,363 <sup>4</sup>
<b>Research, Development, &amp; Acquisition (RDA)</b>	3,610	2,692 <sup>3</sup>	5,290
<b>Military Construction, Army (MCA)</b>	30	140	261
<b>Working Capital Fund (AWCF)</b>	48	50	7
<b>Army Total</b>	<b>21,901</b>	<b>22,907</b>	<b>27,081</b>
<b>Passthrough / Transfer Accounts</b>			
<b>Counter-Islamic State of Iraq and Syria Train and Equip<sup>1</sup></b>	1,438	1,769	1,400
<b>Afghan Security Forces Fund</b>	4,263	4,938	5,199
<b>Iraq Train &amp; Equip Fund</b>	290	0	0
<b>Joint Improvised Explosive Device Defeat Fund<sup>2</sup></b>	88	0	0
<b>All Army Appropriations</b>	<b>29,979</b>	<b>29,614</b>	<b>33,681</b>

1: The Iraq and Syria Train & Equip Funds were combined into a single Counter-ISIS Train & Equip fund in FY17.

2: The Joint Improvised Explosive Device Defeat mission has been assumed by a new DOD organization for FY17 and beyond. Partial FY16 and FY17 JIEDDF funding information can be found in the DOD Budget Materials.

3: Does not include \$0.2B OCO for Base purposes.

4: Does not include \$5.0B OCO for Base purposes.



# Army Audit

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The Army has worked to meet the standing statutory requirement to develop and maintain a culture that supports auditable records at all levels of the Army and this budget sustains that effort. Since the 2010 NDAA, the Army has undertaken a critical effort to achieve auditable financial statements. In September 2017, the Secretary of the Army (SECARMY) officially notified the Secretary of Defense the Army was ready to move to full financial statement audit and the audit has begun. In support of the audit, the Army established accountable practices that set conditions to enable full financial statement audits and demonstrate good stewardship of taxpayer funds. The Army made huge investments in implementation of modern enterprise systems and HQDA system owners will ensure these systems are compliant with accounting standards. Furthermore, The Army is standardizing business processes to ensure compliance with accounting standards. The end state for the Army is a culture of transparency and accountability in which every Soldier, Civilian, and leader executes the actions necessary to maintain a posture that enables sustained clean audit opinions.



# Conclusions

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**The Army's FY 2019 Budget will help to ensure the Army increases our overmatch capability and remains the world's preeminent ground fighting Force through investments in current and future readiness to deter adversaries and, when necessary, fight and win.**

We are in an era in which America cannot adopt a single preclusive form of warfare. Rather, we must be able to fight across a multi-domain battlefield. This means that the capacity and capability of our Force matters. The nation must field sufficient capable Forces to deter conflict. And if deterrence fails, we must win.

The Army's FY2019 budget request of \$182.1 billion (\$148.4B Base and \$33.7B Overseas Contingency Operations (OCO) funding) continues to achieve program balance and provides for a more capable, agile and lethal combat Force. These resources strengthen the U.S. Army's ability to meet current and future threats; preserving peace through strength.

Revisionist Powers, Rogue Regimes, and Transnational threat organizations pose a broad range of very real threats to U.S. interest. This request allows the U.S. Army to simultaneously conduct decisive action in major combat operations; maintain our counter-insurgency competencies for the current fight; and develop capabilities for warfare in all domains, which is critical to the Army's role in maintaining peace through strength. Attaining a level of overmatch underpins the nation's diplomacy. It deters aggression, helps to shape the international environment, and protects our nation's interests. The Secretary of the Army and Chief of Staff of the Army are committed to providing the nation a lethal, agile and capable ground Force now and into the future.

This framework, in conjunction with the Army's unwavering commitment and investment in its People, will help ensure the Army remains a combat-credible and warfighting-oriented Force postured to deter aggression anywhere in the world.

The Army's FY2019 Budget Request sets the foundation for a trained and ready Army capable of deterring potential adversaries and, if required, winning our nation's wars. The increase over the FY2018 President's Budget Request reverses the effects of fiscal caps under the 2011 Budget Control Act and speeds the Army's ability to regain balance between end strength, readiness, and modernization constrained by Bi-partisan Budget Acts of 2013 and 2015. This request, followed by consistent, predictable and sufficient funding over time, provides fiscal stability necessary to accomplish the Nation's bidding and adapt to the changing character of war. Fiscal stability and remaining resolute to the Army Values & Warrior Ethos embodied by every Soldier and Civilian, galvanizes the Army to accomplish the goals outlined in the National Defense Strategy.



## **Army Strong!**

### **PUBLICATION INFORMATION**

This booklet provides the highlights of the Army's Budget submitted to Congress as part of the President's Budget.

Questions concerning the source or interpretation of the information in this booklet may be directed to the **Army Budget Office (Budget Formulation Division), 703-692-5893 or DSN 222-5893.**

All Army budget materials, including this booklet, are available to the public on the Assistant Secretary of the Army (Financial Management and Comptroller) website.  
<http://www.asafm.army.mil/offices/bu/content.aspx?what=BudgetMaterials>

Photos are courtesy of U.S. Army.

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