

SPENDING



Photo: Mike Killian/USAF

A KC-135R from Tinker AFB, Okla., on a refueling mission over Kansas.

Funding levels can be expressed in several ways. **Budget authority** is the value of new obligations the federal government is authorized to incur, including some obligations to be met in later years. Figures can also be expressed in **outlays** (actual expenditures, some of which are covered by amounts previously authorized).

Another difference concerns the value of money. When funding is in **current** or then-year dollars, it is not adjusted for inflation. This is the actual number of dollars that has been or is to be spent, budgeted, or forecast. When funding is expressed

in **constant dollars**, or real dollars, the effect of inflation has been taken into account to make enable more direct historical comparisons between budget years possible. A specific year is chosen as a baseline for constant dollars.

Congress first authorizes payment, then appropriates it. **Authorization** establishes or continues a federal program or agency and sets forth guidelines to which it must adhere. **Appropriation** enables federal agencies to spend money for specific purposes.

Acronyms and Abbreviations				Budget Sources	
AEHF	Advanced Extremely High Frequency	GPS	Global Positioning System	NAOC	National Airborne Operations Center
AGS	Alliance Ground Surveillance	helo	helicopter	O&M	operation and maintenance
AMRAAM	Advanced Medium-Range Air-to-Air Missile	ICBM	intercontinental ballistic missile	PAR	Presidential Aircraft Replacement
AWACS	Airborne Warning and Control System	ISR	intelligence, surveillance, and reconnaissance	RDT&E	research, development, test, and evaluation
BM	battle management	JASSM	Joint Air-to-Surface Standoff Missile	SATCOM	satellite communications
C3	command, control, and communications	JDAM	Joint Direct Attack Munition	SBIRS	Space Based Infrared System
DCGS	Distributed Common Ground System	JSTARS	Joint Surveillance Target Attack Radar System	SDB	Small Diameter Bomb
DSRP	Defense Space Reconnaissance Program	MilSatCom	Military Satellite Communications	Sigint	signals intelligence
EELV	Evolved Expendable Launch Vehicle			SOF	Special operations forces
				UAV	unmanned aerial vehicle
					Congressional Budget Office cbo.gov ■ Topics>>Budget
					Defense Department Comptroller comptroller.defense.gov ■ Budget materials by fiscal year ■ Links to budget pages for each service
					Office of Management and Budget whitehouse.gov/omb ■ Budget ■ Links to past budgets, including appendices and historical tables (via GPO)

AIR FORCE BUDGET—A 10-YEAR PERSPECTIVE

(Budget authority in millions of current FY20 dollars; excludes war funding)

(requested)

CURRENT DOLLARS	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Military Personnel	\$36,040	\$36,624	\$35,604	\$35,888	\$34,373	\$34,803	\$35,485	\$36,495	\$38,443	\$40,325
O&M	59,357	57,602	52,072	55,992	55,131	55,786	58,784	61,142	60,629	65,026
Procurement	41,789	40,492	32,951	34,390	38,398	45,214	45,708	51,120	50,039	50,102
RDT&E	27,481	26,373	22,769	23,822	23,586	24,516	27,848	37,947	41,045	46,150
Military Construction	1,611	1,433	451	1,291	1,178	1,654	2,193	2,643	2,365	2,774
Family Housing	591	490	520	465	328	492	336	403	396	399
Revolving Funds	84	-46	-27	-597	106	521	-180	1,171	78	92
Trust, Receipts, and Other	-143	-175	-64	-142	69	196	-53	-328	-140	-140
Total	\$166,809	\$162,793	\$144,277	\$151,108	\$153,170	\$163,183	\$170,120	\$190,593	\$192,855	\$204,728

(requested)

PERCENTAGE CHANGE	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Military Personnel	0.8%	-0.2%	-4.5%	-0.6%	-5.3%	-0.1%	0.0%	0.6%	2.8%	2.1%
O&M	2.9%	-4.3%	-12.3%	7.2%	-1.3%	2.5%	3.6%	1.2%	-3.7%	5.8%
Procurement	-1.7%	-4.6%	-19.8%	2.9%	10.1%	15.8%	-0.8%	9.6%	-4.0%	-1.8%
RDT&E	-3.5%	-5.6%	-14.9%	3.3%	-2.2%	2.4%	11.4%	33.4%	6.1%	10.4%
Military Construction	-50.4%	-12.3%	-69.0%	182.1%	-10.2%	37.8%	29.9%	18.2%	-12.3%	15.0%
Total	-0.9%	-3.9%	-13.2%	3.7%	0.7%	6.0%	2.3%	9.4%	-1.2%	4.2%

(requested)

CONSTANT DOLLARS	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Military Personnel	\$42,568	\$42,492	\$40,569	\$40,341	\$38,207	\$38,171	\$38,186	\$38,417	\$39,496	\$40,325
O&M	66,909	64,003	56,146	60,191	59,438	60,895	63,066	63,837	61,449	65,026
Procurement	48,774	46,528	37,307	38,384	42,260	48,949	48,538	53,185	51,040	50,102
RDT&E	31,877	30,099	25,615	26,454	25,876	26,505	29,534	39,392	41,813	46,150
Military Construction	1,887	1,655	513	1,448	1,300	1,792	2,327	2,750	2,413	2,774
Family Housing	683	553	577	510	355	532	355	418	403	399
Revolving Funds	97	-54	-30	-661	116	563	-192	1,218	79	92
Trust, Receipts, and Other	-166	-199	-72	-158	75	212	-56	-341	-143	-140
Total	\$192,629	\$185,076	\$160,626	\$166,511	\$167,629	\$177,619	\$181,758	\$198,878	\$196,550	\$204,728

Numbers do not add due to rounding.

DOD BUDGET BY SERVICE COMPONENT

(INCLUDING NON-BLUE PASS-THROUGH SPENDING)

	(Enacted)	(% Enacted)	(Requested)	(% Requested)
	2019	2019	2020	2020
Army	178,886	26.1%	191,397	26.6%
Navy	152,914	22.3%	159,698	22.2%
Marine Corps	43,152	6.3%	45,874	6.4%
Air Force Total	192,920		207,757	
Air Force	154,915	22.6%	165,648	23.1%
Non-Blue Air Force	38,005	5.5%	39,109	5.4%
Defense Agencies	117,553	17.2%	116,623	16.2%
Total	685,425	100.0%	718,349	100.0%

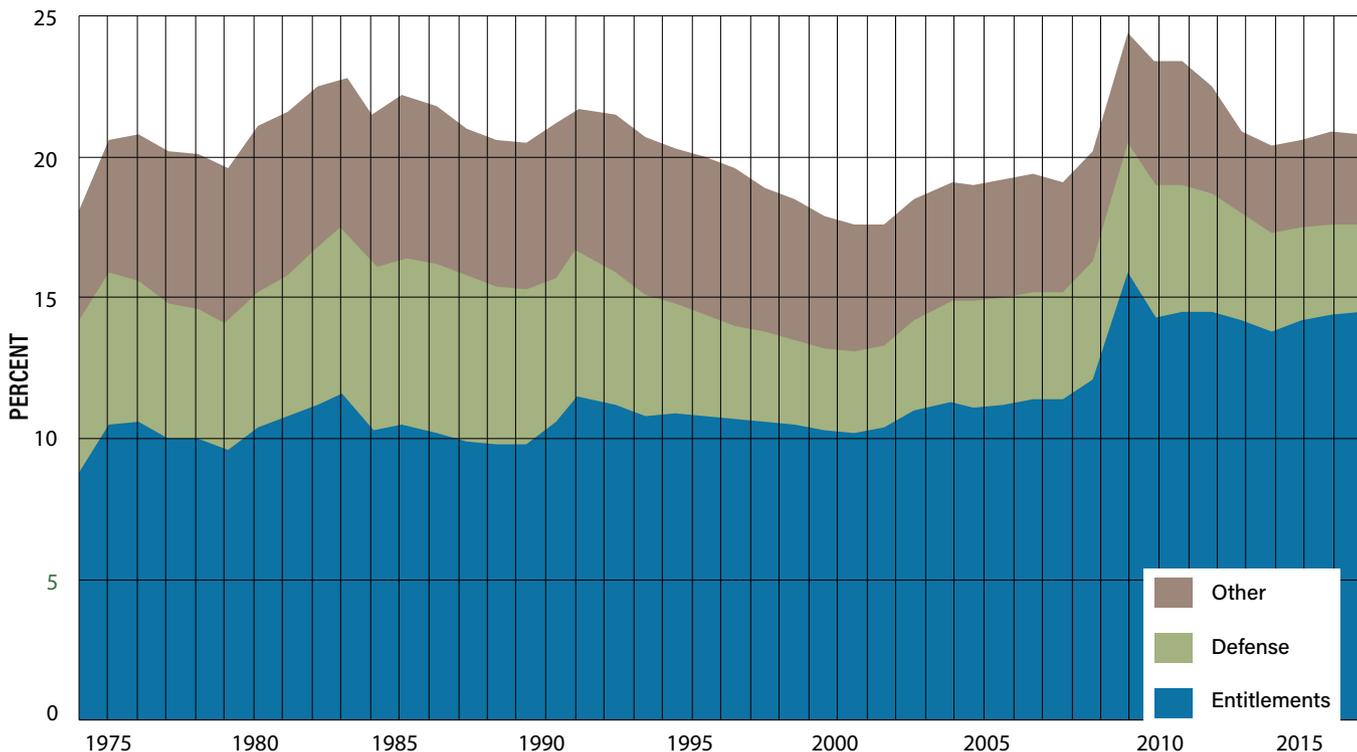
The Air Force budget includes Blue dollars, money for USAF programs, and non-Blue dollars, money (such as some intelligence- and space-related funding) USAF does not manage but that simply passes through Air Force accounts.

FEDERAL BUDGET OUTLAY CATEGORIES AS PERCENTAGE OF GDP

YEAR	TOTAL OUTLAYS	DEFICIT/SURPLUS	ENTITLEMENTS	DEFENSE	YEAR	TOTAL OUTLAYS	DEFICIT/SURPLUS	ENTITLEMENTS	DEFENSE
1974	18.1	-0.5	8.8	5.4	1996	19.6	-2.2	10.7	3.3
1975	20.6	-3.4	10.5	5.4	1997	18.9	-1.2	10.6	3.2
1976	20.8	-3.9	10.6	5.0	1998	18.5	-0.3	10.5	3.0
1977	20.2	-2.5	10.0	4.8	1999	17.9	-0.0	10.3	2.9
1978	20.1	-2.4	10.0	4.6	2000	17.6	+0.9	10.2	2.9
1979	19.6	-1.5	9.6	4.5	2001	17.6	-0.3	10.4	2.9
1980	21.1	-2.6	10.4	4.8	2002	18.5	-2.9	11.0	3.2
1981	21.6	-2.4	10.8	5.0	2003	19.1	-4.8	11.3	3.6
1982	22.5	-3.6	11.2	5.6	2004	19.0	-4.7	11.1	3.8
1983	22.8	-5.9	11.6	5.9	2005	19.2	-3.8	11.2	3.8
1984	21.5	-4.7	10.3	5.8	2006	19.4	-3.2	11.4	3.8
1985	22.2	-5.2	10.5	5.9	2007	19.1	-2.4	11.4	3.8
1986	21.8	-5.2	10.2	6.0	2008	20.2	-4.4	12.1	4.2
1987	21.0	-3.5	9.9	5.9	2009	24.4	-10.8	15.9	4.6
1988	20.6	-3.7	9.8	5.6	2010	23.4	-9.3	14.3	4.7
1989	20.5	-3.7	9.8	5.5	2011	23.4	-8.9	14.5	4.5
1990	21.2	-4.7	10.6	5.1	2012	22.1	-7.2	14.1	4.2
1991	21.7	-5.3	11.5	5.2	2013	20.9	-4.4	14.2	3.8
1992	21.5	-5.3	11.2	4.7	2014	20.4	-3.0	13.8	3.5
1993	20.7	-4.4	10.8	4.3	2015	20.6	-2.6	14.2	3.3
1994	20.3	-3.6	10.9	3.9	2016	20.9	-3.4	14.4	3.1
1995	20.0	-3.0	10.8	3.6	2017	20.8	-3.7	14.5	3.1
					2018	20.3	-3.8	12.5	3.1

This data is based on figures from the White House Office of Management and Budget.

FEDERAL BUDGET OUTLAY CATEGORIES AS PERCENTAGE OF GDP



Source: "The Budget and Economic Outlook: 2018 to 2028," Congressional Budget Office, January 2018.

DEFENSE BUDGET AUTHORITY

(In billions)

	2015	2016	2017	2018	2019	2020	2021
No War Costs, Current Dollars	\$497.3	\$521.7	\$523.5	\$599.6	\$616.1	\$544.5	\$585.2
With War Costs, Current Dollars	560.4	580.3	606.0	670.6*	685.0*	718.3*	654.9*

*Includes placeholder value of \$67.9 billion in war funding.

DOD BUDGET BY CATEGORY

(Base budget in fiscal years, not including overseas contingency operations (aka "war funding") in current dollars)

	2015	2016	2017	2018	2019	2020
Military Personnel	\$139.0	\$138.3	\$139.0	\$136.0	\$146.1	\$151.3
O&M	248.2	247.8	258.1	199.7	229.3	158.0
Procurement	104.0	119.9	126.0	107.1	134.8	120.0
RDT&E	64.1	70.6	74.8	71.8	94.1	102.6
Military Construction	6.4	7.6	7.6	6.4	8.8	9.9
Family Housing	1.3	1.5	1.4	1.2	1.6	1.3
Revolving Funds	2.3	2.3	2.3	1.5	1.6	1.4
Total	\$565.4	\$588.0	\$609.2	\$523.7	\$616.1	\$544.5

Sources: Department of Defense "National Defense Budget Estimates for FY 2019" (years 2015-2018) ; and the "Defense Budget Overview: United States DOD Fiscal Year 2020 Budget Request" (years 2019-2020).

SERVICE AND AGENCY SHARES OF BASE DOD BUDGET

(Budget authority in billions of current FY20 dollars)

	2015	2016	2017	2018	Planned		
	2015	2016	2017	2018	2019	2020	2021
Constant Dollars							
Air Force	\$147.6	\$154.9	\$165.3	\$163.0	\$161.0	\$158.8	\$159.0
Army	129.2	131.0	136.2	135.2	132.8	131.0	129.7
Navy/Marine Corps	160.8	169.4	172.1	168.9	166.5	162.8	163.4
Defense Agencies	97.6	99.3	100.7	102.8	104.5	103.0	102.7
Total	\$535.1	\$554.5	\$574.3	\$570.1	\$564.8	\$555.5	\$554.8
Percentages							
Air Force	27.6%	27.9%	28.8%	28.6%	28.5%	28.6%	28.7%
Army	24.1%	23.6%	23.7%	23.7%	23.5%	23.6%	23.4%
Navy/Marine Corps	30.0%	30.5%	30.0%	29.6%	29.5%	29.3%	29.5%
Defense Agencies	18.2%	17.9%	17.5%	18.0%	18.5%	18.5%	18.5%

USAF shares above include non-Blue funding. Outyears estimates based on FY20 shares.

SERVICE AND AGENCY PERCENTAGE OF BASE DOD BUDGET

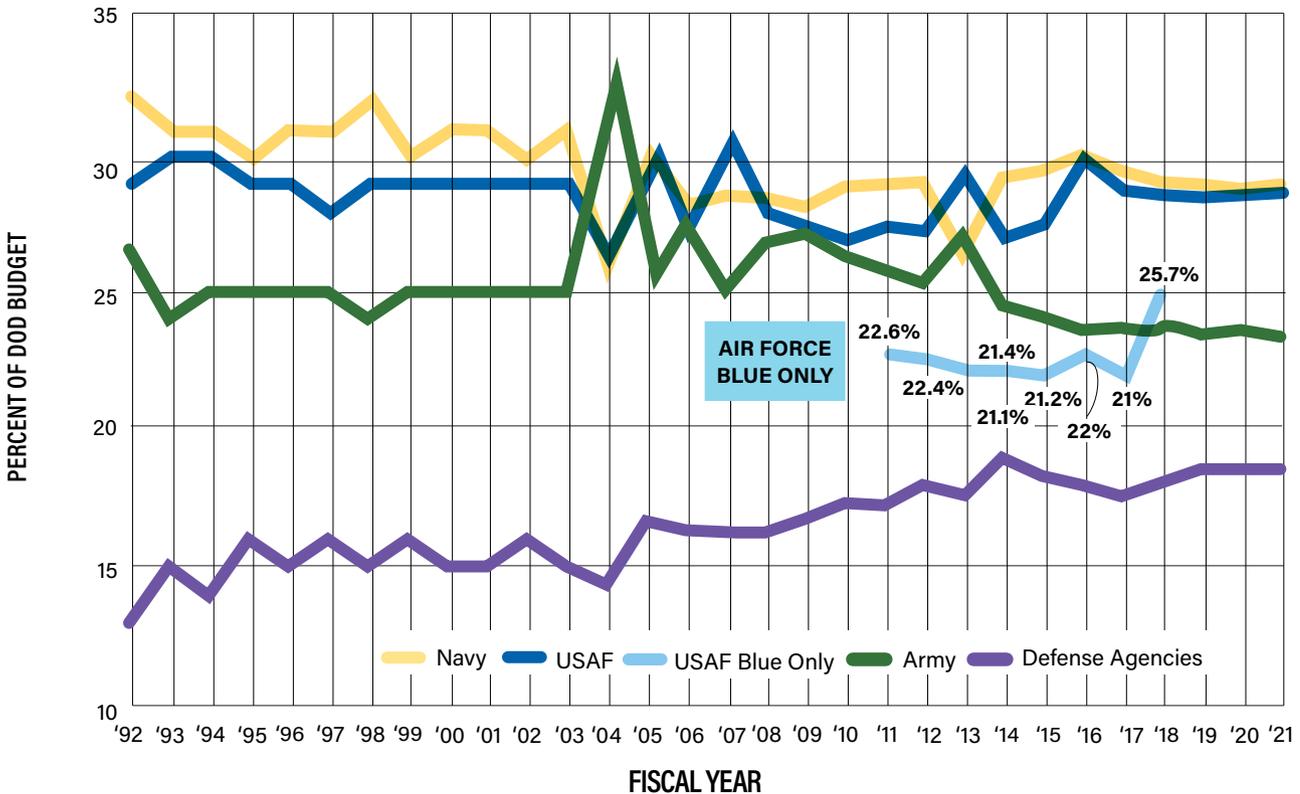




Photo: S/A Thomas Barley

Above, a B-2 Spirit on the ramp at JB Pearl Harbor-Hickam, Hawaii.

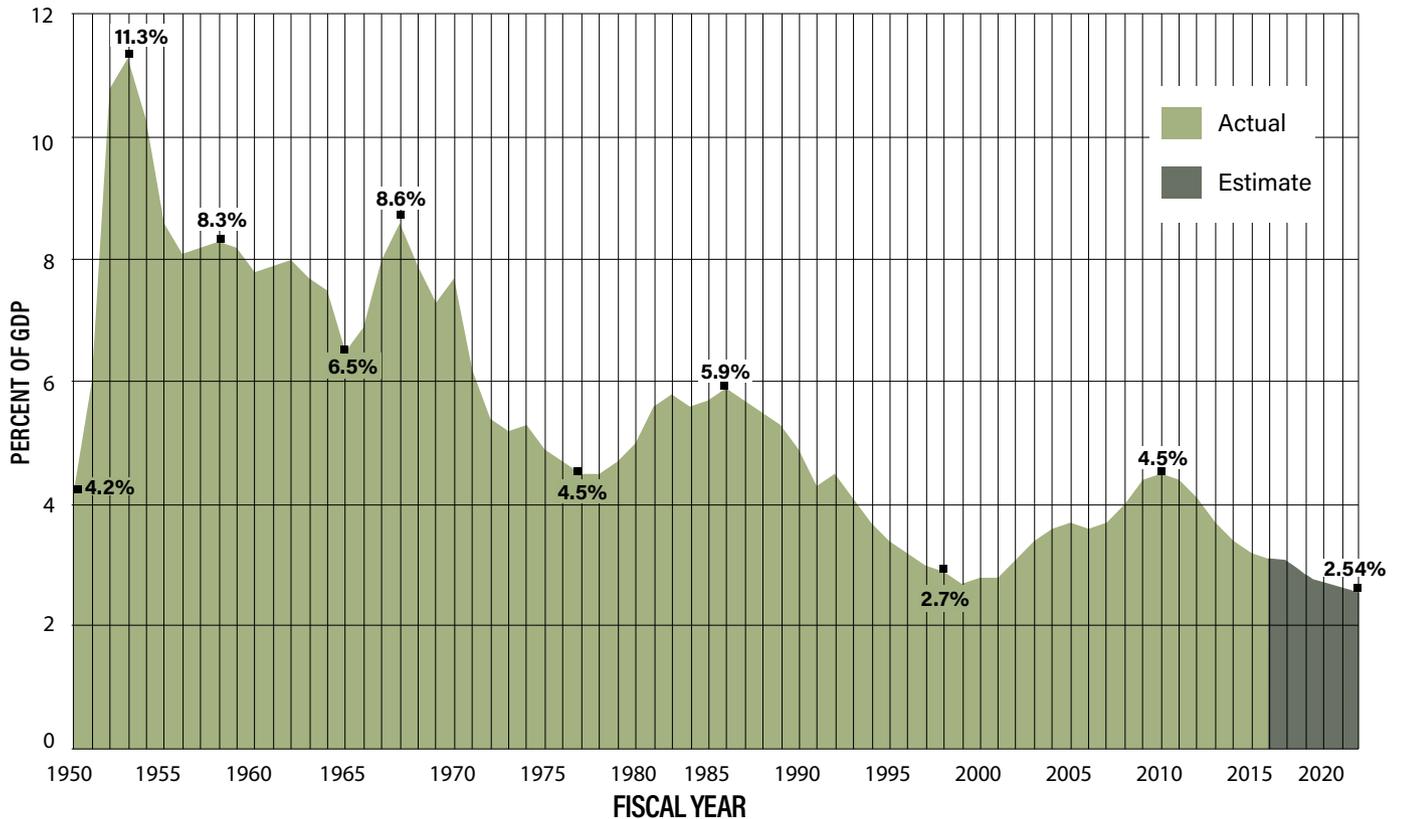
DEFENSE OUTLAYS

(In billions)

	2015	2016	2017	2018	Planned		
Current Dollars	\$562.5	\$576.3	\$586.8	\$568.6	\$569.9	\$575.3	\$582.0

This data is based on figures from the White House Office of Management and Budget.

DEFENSE OUTLAYS AS A SHARE OF GROSS DOMESTIC PRODUCT



This data is based on figures from the White House Office of Management and Budget.

MAJOR USAF

PROGRAMS RDT&E

(Current million dollars)

MAJOR USAF

PROGRAMS PROCUREMENT

(Current million dollars)

	PROGRAM	2018	2019	2020	2018	2019	2020
BOMBER	B-1B Lancer	\$60.4	60.0	1.0	\$121.6	\$40.0	22.0
	B-2A Spirit	238.7	358.8	392.0	95.0	62.0	11.0
	B-21 Raider	1,914.6	2,279.2	3,003.0	0.0	0.0	0.0
	B-52H Stratofortress	108.0	325.0	326.0	98.3	130.0	74.0
FIGHTER/ATTACK	A-10C Thunderbolt II	17.5	28.0	37.0	109.0	168.0	132.0
	F-15C/D/E Eagle/Strike Eagle	510.4	340.3	316.0	452.8	664.1	632.7
	F-16C/D Fighting Falcon	250.3	186.0	193.0	252.0	308.0	250.0
	F-15EX	0.0	0.0	0.0	0.0	0.0	1,050.0
	F-22A Raptor	594.5	584.7	496.3	271.9	352.2	323.6
	F-35A Lightning II	607.3	572.9	809.8	6,505.0	5,267.0	4,929.9
HELICOPTER	HH-60G/U Pave Hawk	0.0	0.0	0.0	76.0	92.0	20.1
	HH-60W Combat Rescue	342.0	446.0	247.0	0.0	660.4	884.0
	UH-1N Iroquois	188.3	258.0	171.0	3.7	12.0	3.8
ICBM	Minuteman III	204.2	155.0	130.0	64.9	125.0	50.8
	ICBM Fuze Modernization	166.6	168.0	161.0	6.3	16.0	5.0
ISR/BM/C3	Air & Space Ops Center	86.4	105.0	114.9	25.5	38.6	3.7
	Airborne Recon Systems	19.5	195.3	122.9	0.2	7.5	29.6
	Airborne Sigint Enterprise	116.1	109.9	102.7	0.0	0.0	0.0
	DCGS	26.3	26.6	37.8	264.4	378.4	116.1
	E-3B/C/G Sentry (AWACS)	118.7	122.2	68.0	120.0	116.9	216.3
	E-4B NAOC	43.6	65.2	86.8	25.9	67.9	58.5
	E-8C JSTARS	390.7	0.0	0.0	16.2	37.8	28.8
	EC-130H/J Compass Call/Commando Solo	34.2	43.9	15.9	237.4	388.4	224.8
	Endurance UAV	40.0	15.0	0.0	0.0	0.0	0.0
	MQ-1B Predator	0.0	0.0	0.0	224.5	163.3	54.0
	MQ-9A Reaper	184.4	108.8	155.0	648.2	589.2	764.8
	NATO AGS	44.7	51.5	32.6	0.0	0.0	0.0
	RC-135S/U/V/W	N/A	N/A	N/A	204.6	394.5	227.7
	RQ-4B Global Hawk	222.7	221.7	191.7	162.7	164.3	49.0
U-2S Dragon Lady	34.5	87.6	38.9	32.2	56.7	86.9	
MOBILITY	C-5A/B/C/M Galaxy	11.4	25.1	10.2	25.0	68.0	73.6
	C-17A Globemaster III	21.7	48.3	25.1	108.4	87.3	648.2
	C-32 Executive Transport Recapitalization	2.9	7.9	9.9	79.4	4.5	11.5
	C-130H Hercules	10.2	106.0	140.4	446.4	331.9	190.3
	C-130J Super Hercules	24.9	15.4	8.6	2,428.4	2,057.9	2,335.3
	KC-10A Extender	9.2	6.6	0.2	0.0	0.0	0.0
	KC-46A Pegasus	75.6	80.2	59.6	2,927.1	2,290.9	2,234.5
	PAR/VC-25A	418.5	657.9	757.9	52.1	27.2	48.6
MUNITION	AGM-158A JASSM	29.4	42.5	78.5	443.1	602.8	503.4
	AIM-9X Sidewinder	36.3	37.2	10.3	124.7	121.3	160.4
	AIM-120 AMRAAM	51.4	57.3	55.4	264.3	307.5	332.3
	Air Launched Cruise Missile (ACLM)	4.5	6.0	10.2	31.7	47.6	77.4
	GBU-31/32/38 JDAM	0.0	0.0	0.0	985.1	922.6	1,066.2
	GBU-39 SDB	37.7	78.1	31.2	384.3	209.4	275.4
	AGM-114 Hellfire	0.0	0.0	0.0	82.9	100.9	212.4
SOF	CV-22B Osprey	30.0	38.8	46.0	103.2	92.9	82.6
	HC/MC-130H/J/P	30.8	16.2	17.2	200.5	125.7	51.5
	Tactical Air Control Party Modifications	10.6	6.1	6.2	0.0	0.0	12.3
SPACE	Advanced EHF (MILSATCOM)	134.8	144.8	118.3	55.7	29.8	31.9
	Counterspace Systems	64.2	20.2	29.0	28.8	1.1	5.7
	Cyberspace	19.6	38.4	51.6	160.8	102.8	0.0
	NSSL National Security Space Launch	381.9	443.0	432.0	1,392.9	1,614.5	1,237.6
	GPS III	1,054.9	1,339.8	1,280.6	99.9	85.0	476.6
	MilSatCom	227.4	554.2	544.7	35.2	11.3	11.1
	Nudet Detection System	31.3	19.8	49.3	6.4	7.7	7.4
	Rocket Systems Launch Program	33.0	19.7	13.1	0	47.6	11.5
	SATCOM	304.0	728.5	1,013.4	770.5	102.2	99.3
	SBIRS	119.6	61.0	1.0	929.1	108.4	244.0
	Space Control Technology	44.1	91.6	64.2	0.0	0.0	0.0
	Space Fence	34.0	19.4	0.0	0.0	46.4	71.8
	Spacelift Range System	20.0	20.2	10.8	113.2	117.6	118.1
	Wideband Global SATCOM	6.5	4.0	1.9	675.3	12.1	0.0
OTHER	T-X Advanced Pilot Training Program	82.6	245.5	348.5	82.6	245.5	348.5
	GRAND TOTAL	\$9,979.5	\$11,983.0	\$12,906.6	\$23,055.3	\$20,230.6	\$21,246.5