

**Department of Defense
Comprehensive Selected Acquisition Reports
for the Annual 2019 Reporting Requirement as Updated by the
President's Fiscal Year 2021 Budget**

The Department of Defense (DoD) has released details on major defense acquisition program cost, schedule, and performance changes for the December 2019 reporting period. This information is based on the comprehensive annual Selected Acquisition Reports (SARs) through the first quarter of FY 2020, as updated by the President's Fiscal Year (FY) 2021 budget submitted to Congress on May 26, 2020.*

SARs summarize the latest estimates of cost, schedule, and performance status. These reports are prepared annually in conjunction with submission of the President's Budget. Subsequent quarterly exception reports are required only for those programs experiencing unit cost increases of at least 15 percent or schedule delays of at least six months. Quarterly SARs are also submitted for initial reports, final reports, and for programs that are rebaselined at major milestone decisions.

The total program acquisition cost estimates provided in the SARs include research and development, procurement, military construction, and acquisition-related operations and maintenance. These totals reflect actual costs to date as well as future anticipated costs. All estimates are shown in fully inflated then-year dollars.

The prior estimate of program acquisition costs for programs covered by SARs for the reporting period for December 2018 (87 programs) was \$2,022,806 million. The current estimate for December 2019 (86 programs) is \$2,020,299 million.

New SARs

DoD is submitting no new SARs for the December 2019 reporting period.

**Summary Explanations of Selected SAR Cost Changes
(As of May 26, 2020)**

Program Cost Changes

Army - Total program costs for the Army have decreased \$1,053.8 million (-0.5%) from \$216,595.7 million to \$215,541.9 million. The changes that have increased or decreased greater than \$1 billion or 10% are below:

CH-47F Modernized Cargo Helicopter (CH-47F Block II) - Program costs decreased \$4,448.6 million (-16.5%) from \$26,885.8 million to \$22,437.2 million, due primarily to a revised schedule that adjusts the end of production seven years earlier from FY 2049 to FY 2042.

Guided Multiple Launch Rocket System/Guided Multiple Launch Rocket System Alternative Warhead (GMLRS/GMLRS AW) - Program costs decreased \$2,936.0 million (-18.7%) from

* Information in this press release reflects program status up to the release of the President's Budget for FY 2021 and not current program status.

\$15,687.4 million to \$12,751.4 million, due primarily to a decrease of 17,969 GMLRS AW and Unitary rockets from 97,051 to 79,082.

Joint Light Tactical Vehicle (JLTV) - Program costs increased \$6,421.3 million (+25%) from \$25,711.0 million to \$32,132.3 million, due primarily to an increase of 6,299 JLTV's from 9,091 to 15,390 for the Navy, the stretch-out of the Army's procurement buy profile end date from FY 2034 to FY 2041, and a revised estimate for a manufacturing increase based on the addition of trailers from zero to 18,224.

Navy – Total program costs for the Navy have increased \$13,755.4 million (+1.5%) from \$930,840.4 million to \$944,595.8 million. The changes that have increased or decreased greater than \$1 billion or 10% are below:

Amphibious Combat Vehicle Family of Vehicles (ACV FoV) - Program costs increased \$2,981.9 million (+148.9%) from \$2,002.5 million to \$4,984.4 million, due primarily to an increase of 432 vehicles from 204 to 636 due to the merger of ACV 1.1 and 1.2 programs.

AGM-88E Advanced Anti-Radiation Guided Missile (AGM-88E AARGM) - Program costs decreased \$458.5 million (-17.2%) from \$2,666.5 million to \$2,208.0 million, due primarily to a decrease of 632 AARGMs from 2,435 to 1,803.

(CH-53K) – Program costs increased \$2,506.4 million (+8%) from \$31,529.8 million to \$34,036.2 million, due primarily to a stretch-out of the procurement buy profile to add two years in FY 2029 and 2030.

DDG 51 Arleigh Burke Class Guided Missile Destroyer (DDG 51) - Program costs decreased \$2,146.8 million (-1.7%) from \$126,645.6 million to \$124,498.8 million, due primarily to a decrease of two DDGs from 97 to 95, which was offset by a revised estimate to reflect an increase in outfitting and post-delivery requirements.

Expeditionary Sea Base (ESB) - Program costs decreased \$731.0 million (-14.9%) from \$5,188.1 million to \$4,457.1 million, primarily due to the removal of ESB 8 and refined requirements for ESB 4, ESB 5, ESB 6, and ESB 7.

MQ-4C Triton Unmanned Aircraft System (MQ-4C Triton) - Program costs increased \$1,011.5 million (+5.8%) from \$17,459.9 million to \$18,471.4 million, due primarily to an increase in Other Support resulting from a production extension of two years and depot standup realignment to FY 2026 and beyond, and a stretch-out of the procurement buy profile by two years to FY 2035.

Offensive Anti-Surface Warfare Increment 1 (Long Range Anti-Ship Missile) (OASuW Inc 1 (LRASM)) - Program costs increased \$617.2 million (+23.6%) from \$2,612.3 million to \$3,229.5 million, due primarily to an increase of 129 All Up Rounds from 50 to 179 for the Air Force.

SSN 774 Virginia Class Submarine (SSN 774)- Program costs increased \$3,990.4 million (+2.5%) from \$161,525.5 million to \$165,515.9 million, due primarily to the stretch-out of the

procurement profile of two submarines, one FY 2020 ship to FY 2028 and one FY 2021 ship to FY 2029, and a revised estimate for Block VI FY 2024 Economic Order Quantity (EOQ) procurement for FY 2027 SSNs.

T-AO 205 John Lewis Class Fleet Replenishment Oiler (T-AO 205 Class) - Program costs increased \$1,221.0 million (+9.5%) from \$12,923.1 million to \$14,144.1 million, due primarily to a revised estimate and shift and stretch in the procurement buy profile due to the movement of quantities out of FY 2021-FY 2023 to FY 2024, FY 2034, and FY 2035.

Air Force - Total program costs for the Air Force have increased \$3,677.9 million (+1.5%) from \$243,101.7 million to \$246,779.6 million. The changes that have increased or decreased greater than \$1 billion or 10% are below:

B-2 Defensive Management System - Modernization (B-2 DMS-M)- Program costs decreased \$527.5 million (-17.3%) from \$3,051.9 million to \$2,524.4 million, due primarily to a revised estimate to align to the FY 2021 President's Budget which transitioned DMS-M to a displays only program.

F-15 Eagle Passive Active Warning Survivability System (F-15 EPAWSS) - Program costs increased \$2,024.7 million (+62.1%) from \$3,259.9 million to \$5,284.6 million, due primarily to an increase of 140 aircraft (from 36 to 221) that will receive the system.

HH-60W Combat Rescue Helicopter (CRH) - Program costs increased \$932.9 million (+10.2%) from \$9,152.5 million to \$10,085.4 million, due primarily to an increase for procurement modification capability upgrade retrofit kits and the realignment of flyaway and initial spares.

MQ-9 Reaper Unmanned Aircraft System (MQ-9 Reaper) - Program costs decreased \$1,398.9 million (-11.7%) from \$12,638.0 million to \$11,239.1 million, due primarily to revised estimates to incorporate a reduction in funding due to the cancelation of Block 50 Ground Control Station Procurement, and Congressional marks in FY 2020.

National Security Space Launch (NSSL) - Program costs increased \$1,681.0 million (+2.7%) from \$61,333.5 million to \$63,014.5 million, due primarily to an increase of 12 launch services, from 179 to 191, based on Satellite Vehicle requirements. This was offset by a revised estimate reflecting changes in satellite vehicle requirements necessitating assignment of missions to different configurations.

DoD – The total program costs for DoD have decreased \$30,871 million (-6.33%) from \$441,717 million to \$410,846 million. The changes that have increased or decreased greater than \$1 billion or 10% are below:

F-35 Lightning II Joint Strike Fighter (JSF) Program (F-35) – The overall Acquisition Cost (RDT&E, Procurement, and MILCON) of the program decreased by \$19.0B in base year 2012 dollars (BY12\$) and decreased by \$30.7B in then-year dollars (TY\$). The Total Program Costs (RDT&E, Procurement, MILCON, and O&S) decreased by \$18.7B in (BY12\$) and by \$30.4B in (TY\$).

Development: The RDT&E costs have increased by \$1.6B (BY12\$) and \$2.1B (TY\$). RDT&E costs increased due to several factors including the need for program-aligned training systems, revised partner cost-sharing arrangements, and the extension of Block 4 through 2026.

Procurement: The overall average Unit Recurring Flyaway (URF) (Aircraft & Engine) cost in BY12\$ decreased by \$12.5M for the F-35A, by \$8.6M for the F-35B, and by \$7.6M for the F-35C. The Average Procurement Unit Cost (APUC) for the program decreased by \$8.4M (BY12\$) and the Program Acquisition Unit Cost (PAUC) decreased by \$7.6M (BY12\$). These changes resulted in an overall decrease in Procurement cost of \$20.6B (BY12\$) and \$32.8B (TY\$) driven by incorporation of the Lot 11 actuals as well as the negotiated values for Lot 12-14 procurement.

MILCON: The estimated MILCON costs were revised based on Service inputs reflecting only minor changes based on inflation indices. The F-35 JPO does not manage MILCON funds but reports the latest Service projections.

Sustainment: The 2018 SAR O&S cost estimate was not updated by OSD CAPE for 2019. As such, there are no program driven variances to the O&S cost estimate incorporated in the F-35 2019 SAR. The F-35 JPO continues to work to refine and increase the accuracy of the sustainment cost estimate while also working to decrease the cost per flying hour of the aircraft across its life cycle. Recent updates include aligning with 2019 OSD escalation guidance, incorporating DoD CLS requirements beyond FY 2022, revising Propulsion maintenance to reflect new F135 specific workscopes definition, revising Air Vehicle maintenance to reflect actual pricing and reliabilities, incorporating IPT inputs, adjusting Flight Test Support to reflect current plans, incorporating the latest beddowns, updating labor rates, removing Turkey, including prior year actuals through FY 2018, updating fuel burn rates, incorporation of anticipated cost savings related to LCSP Success Elements and CRIs, and aligning with the latest DoD Unit Level manning documents.

Program Acquisition Cost Summary (Dollars in Millions)

DEC 2019

Program	Base Year	Baseline Type	Baseline Estimate			Changes To Date			Current Estimate			% Change To Date Adjusted for Qty	
			Base-Year Dollars	Then-Year Dollars	Quantity	Base-Year Dollars	Then-Year Dollars	Quantity	Base-Year Dollars	Then-Year Dollars	Quantity	Base-Year Dollars	Then-Year Dollars
Army:													
AH-64E New Build	2010	PdE	2,307.0	2,510.4	56	-174.5	-37.7	23	2,132.5	2,472.7	79	-36.5	-35.2
AH-64E Remanufacture	2010	PdE	10,468.7	11,896.6	639	2,008.2	2,575.2	-8	12,476.9	14,471.8	631	20.2	22.8
AMPV	2019	PdE	12,761.9	15,826.7	2,936	-227.0	-436.1	-	12,534.9	15,390.6	2,936	-1.8	-2.8
AN/TPQ-53	2019	PdE	3,658.3	3,454.0	193	-2.6	-	-	3,655.7	3,454.0	193	-0.1	0.0
CH-47F Block II	2017	DE	16,219.8	22,568.7	542	-117.8	-131.5	-	16,102.0	22,437.2	542	-0.7	-0.6
CIRCM	2018	PdE	3,920.6	4,677.2	1,829	13.0	-0.1	-	3,933.6	4,677.1	1,829	0.3	0.0
GMLRS/GMLRS AW	2003	PdE	9,780.2	11,848.9	140,239	-445.3	902.5	-60,758	9,334.9	12,751.4	79,481	49.6	92.4
HMS	2011	PdE	8,242.6	9,201.0	270,951	695.1	1,820.7	29,021	8,937.7	11,021.7	299,972	1.5	9.9
IAMD	2009	DE	4,856.6	5,791.6	296	1,440.5	2,145.9	183	6,297.1	7,937.5	479	-5.6	-4.7
ITEP	2019	DE	12,088.4	17,865.9	6,258	0.7	-1.5	-	12,089.1	17,864.4	6,258	0.0	0.0
JAGM	2018	PdE	7,070.4	8,701.9	26,437	-311.8	-412.4	-	6,758.6	8,289.5	26,437	-4.4	-4.7
JLTV	2015	PdE	19,699.5	24,544.0	54,717	4,926.2	7,588.3	9,904	24,625.7	32,132.3	64,621	8.6	13.5
M88A2 HERCULES	1997	PdE	2,359.1	2,985.6	938	0.3	-28.8	-3	2,359.4	2,956.8	935	0.3	-0.6
MQ-1C Gray Eagle	2010	PdE	5,252.0	5,549.0	31	350.9	477.6	14	5,602.9	6,026.6	45	-4.8	-3.9
PAC-3 MSE	2014	PdE	6,037.0	6,722.3	1,057	6,951.7	8,800.9	2,043	12,988.7	15,523.2	3,100	-5.1	-7.4
PIM	2013	PdE	6,843.6	7,952.5	558	1,773.0	2,411.0	133	8,616.6	10,363.5	691	11.9	13.3
UH-60M Black Hawk	2005	PdE	16,801.7	20,847.1	1,235	5,338.9	6,924.5	135	22,140.6	27,771.6	1,370	16.1	15.5
Subtotal			148,367.4	182,943.4		22,219.5	32,598.5		170,586.9	215,541.9		4.9	7.1
Navy:													
AAG	2017	DE	2,227.8	2,253.4	3	175.0	212.9	1	2,402.8	2,466.3	4	-3.9	-4.2
AARGM-ER	2019	DE	3,442.1	4,071.3	2,097	-96.4	-88.8	-	3,345.7	3,982.5	2,097	-2.8	-2.2
ACV FoV	2014	PdE	1,835.7	2,010.8	240	2,420.4	2,973.6	442	4,256.1	4,984.4	682	28.0	29.9
AGM-88E AARGM	2003	PdE	1,528.5	1,861.4	1,919	266.8	346.6	-76	1,795.3	2,208.0	1,843	13.9	14.4
AIM-9X BIK II	2011	PdE	3,967.3	4,856.1	6,000	1,385.7	1,968.2	5,635	5,353.0	6,824.3	11,635	-28.9	-31.9
AMDR	2013	PdE	5,293.5	6,163.7	22	-46.1	-36.3	-2	5,247.4	6,127.4	20	-0.9	-0.6

CEC	2002	PdE	4,123.3	4,310.7	272	1,360.5	2,256.1	86	5,483.8	6,566.8	358	25.9	35.1
CH-53K	2017	PdE	27,705.8	31,234.3	200	2,027.6	2,801.9	-	29,733.4	34,036.2	200	7.0	8.5
CVN 78 - CVN 78	2000	DE	27,725.6	34,900.4	3	4,228.7	18,460.2	1	31,954.3	53,360.6	4	-5.5	12.5
CVN 78 - EMALS	2000	DE	975.6	1,181.7	3	1,281.4	2,300.4	1	2,257.0	3,482.1	4	168.9	280.8
DDG 1000	2005	DE	31,547.9	36,296.3	10	-11,203.9	-12,115.6	-7	20,344.0	24,180.7	3	20.4	40.6
DDG 51	1987	PdE	16,953.7	20,117.5	23	56,440.7	104,381.3	72	73,394.4	124,498.8	95	25.5	29.7
E-2D AHE	2009	PdE	17,468.6	19,031.4	75	4,428.6	6,128.7	11	21,897.2	25,160.1	86	13.4	16.3
ESB_	2011	PdE	4,528.9	5,196.2	8	-589.8	-739.1	-1	3,939.1	4,457.1	7	-1.2	0.0
G/ATOR	2012	PdE	2,615.3	2,917.9	45	179.7	200.9	-	2,795.0	3,118.8	45	6.9	6.9
H-1 Upgrades	2008	PdE	11,203.4	12,186.8	353	278.9	89.9	-	11,482.3	12,276.7	353	2.5	0.8
IDECM	2018	PdE	1,305.2	1,332.9	324	-31.2	-38.9	-	1,274.0	1,294.0	324	-2.4	-2.9
IRST	2008	PdE	1,914.6	2,347.1	179	19.6	33.9	-6	1,934.2	2,381.0	173	2.0	2.5
JPALS	2016	DE/PdE	1,827.1	1,860.1	33	-104.9	-126.8	-	1,722.2	1,733.3	33	-5.8	-6.8
KC-130J	2010	PdE	9,233.9	9,881.8	104	379.4	1,170.2	7	9,613.3	11,052.0	111	-2.4	3.0
LCS	2010	DE	32,011.0	37,438.8	55	-12,733.5	-15,027.7	-20	19,277.5	22,411.1	35	-10.4	0.3
LCS MM	2010	DE	6,379.5	7,448.3	64	-694.2	-732.0	-15	5,685.3	6,716.3	49	10.8	16.7
LHA 6	2006	DE	2,877.4	3,093.5	1	7,947.4	11,859.1	3	10,824.8	14,952.6	4	-7.5	-3.6
LPD 17	1996	DE	9,018.1	10,761.8	12	19,896.3	40,748.0	14	28,914.4	51,509.8	26	94.7	104.9
MIDS	2003	PdE	1,824.8	1,818.9	2,964	2,620.5	3,498.2	7,972	4,445.3	5,317.1	10,936	6.6	5.4
MQ-25	2018	DE	12,618.3	15,369.4	76	-1,449.1	-1,654.8	-	11,169.2	13,714.6	76	-10.1	-9.0
MQ-4C Triton	2016	PdE	15,064.3	17,027.1	70	953.1	1,444.3	-	16,017.4	18,471.4	70	6.8	9.1
MQ-8 Fire Scout	2017	PdE	2,949.1	2,822.2	60	192.4	227.0	8	3,141.5	3,049.2	68	0.8	1.7
NGJ Mid-Band	2016	DE	7,463.7	8,430.9	135	115.6	354.7	-	7,579.3	8,785.6	135	1.1	3.9
OASuW Inc 1 (P-8A)	2014	DE	1,467.3	1,565.7	124	1,402.4	1,663.8	380	2,869.7	3,229.5	504	12.5	12.8
P-8A	2010	PdE	32,345.9	34,500.7	122	-134.2	587.2	3	32,211.7	35,087.9	125	-1.9	0.1
SM-6	2004	PdE	5,281.1	6,597.2	1,200	2,726.5	4,549.2	1,111	8,007.6	11,146.4	2,311	-5.9	-3.7
SSBN 826	2017	DE	100,221.9	128,238.0	12	-738.2	-634.1	-	99,483.7	127,603.9	12	-0.7	-0.5
SSC	2011	DE/PdE	3,925.6	4,731.1	73	299.9	946.3	-	4,225.5	5,677.4	73	7.7	20.0
SSN 774	1995	PdE	64,353.6	93,207.3	30	30,003.7	72,308.6	18	94,357.3	165,515.9	48	-3.5	-0.9
T-AO 205 Class	2016	PdE	8,543.5	10,731.6	17	2,346.3	3,412.5	3	10,889.8	14,144.1	20	8.8	9.9
Trident II Missile	1983	PdE	26,556.3	35,518.5	845	1,428.4	6,960.2	-284	27,984.7	42,478.7	561	23.9	47.5
V-22	2005	PdE	50,250.4	53,253.4	458	1,111.2	2,434.6	6	51,361.6	55,688.0	464	1.4	3.5
VH-92A	2014	DE/PdE	4,649.7	5,184.7	23	-222.0	-279.5	-	4,427.7	4,905.2	23	-4.8	-5.4

Subtotal			565,225.3	681,750.9		117,873.2	262,844.9		683,098.5	944,595.8		5.6	11.0
Air Force:													
AEHF	2002	PdE	2,715.1	3,488.2	2	-675.0	-845.7	-	2,040.1	2,642.5	2	-24.9	-24.2
APT	2018	DE	8,075.4	9,911.3	351	69.7	23.0	-	8,145.1	9,934.3	351	0.9	0.2
AWACS Blk 40/45 Upgrade	2012	PdE	2,822.4	2,807.6	31	-39.6	-24.5	-	2,782.8	2,783.1	31	-0.1	0.7
B-2 DMS-M	2016	DE	2,556.2	2,684.5	20	-161.5	-160.1	-	2,394.7	2,524.4	20	-6.3	-6.0
B61 Mod 12 LEP TKA	2019	PdE	1,151.8	1,147.2	890	-50.8	-63.4	-	1,101.0	1,083.8	890	-4.4	-5.5
C-130J	1996	PdE	730.7	839.7	11	10,977.5	13,991.8	167	11,708.2	14,831.5	178	17.9	14.6
EPS	2014	DE	1,389.1	1,338.5	2	1,099.7	1,239.8	2	2,488.8	2,578.3	4	-0.3	-0.2
F-15 EPAWSS	2016	DE	4,251.5	5,025.5	413	169.9	259.1	-50	4,421.4	5,284.6	363	23.6	25.1
F-22 Inc 3.2B Mod	2016	PdE	1,482.8	1,460.9	152	-50.1	-51.8	-	1,432.7	1,409.1	152	-3.4	-3.5
FAB-T	2015	PdE	1,743.0	1,698.1	109	149.0	177.7	-	1,892.0	1,875.8	109	8.6	10.5
GPS III	2010	PdE	4,142.9	4,269.8	8	772.8	937.8	2	4,915.7	5,207.6	10	2.3	3.6
GPS IIIF	2018	DE	9,273.8	10,771.5	22	-142.5	-72.4	-	9,131.3	10,699.1	22	-0.6	-0.1
HC/MC-130 Recap	2009	PdE	8,078.1	8,745.3	74	4,072.6	5,008.5	60	12,150.7	13,753.8	134	-10.6	-10.8
CRH	2019	DE/PdE	8,727.3	9,856.2	112	520.9	229.2	1	9,248.2	10,085.4	113	5.5	1.9
ICBM Fuze Mod	2014	DE	1,814.8	2,075.7	781	119.1	130.3	-	1,933.9	2,206.0	781	6.6	6.3
JASSM	2010	PdE	2,195.0	2,301.4	2,507	6,275.7	7,798.2	4,724	8,470.7	10,099.6	7,231	39.0	35.7
KC-46A	2016	PdE	39,529.1	44,358.5	179	-751.4	-381.9	-	38,777.7	43,976.6	179	-1.9	-0.9
MGUE Inc 1	2017	DE	1,505.7	1,531.2	-	-129.2	-130.8	-	1,376.5	1,400.4	-	-8.6	-8.5
UH-1N Replacement	2018	DE	3,308.8	3,869.5	84	-39.1	-85.1	-	3,269.7	3,784.4	84	-0.7	-1.5
MQ-9 Reaper	2008	PdE	10,751.3	11,834.8	391	-768.6	-595.7	23	9,982.7	11,239.1	414	-12.9	-11.6
NSSL	2012	PdE	61,443.4	69,329.4	152	-5,827.7	-6,314.9	40	55,615.7	63,014.5	192	-16.2	-17.2
OCX	2017	DE	6,030.4	6,016.9	1	192.4	236.9	-	6,222.8	6,253.8	1	3.2	3.9
PNVC Integrator	2018	PE/--	335.7	353.4	-	-17.4	-17.3	-	318.3	336.1	-	-5.2	-4.9
SBIRS High	1995	PdE	2,681.6	3,865.4	2	-453.3	-611.3	-	2,228.3	3,254.1	2	-16.9	-15.8
SDB II	2015	PdE	4,054.9	4,440.9	17,163	958.4	1,217.7	-	5,013.3	5,658.6	17,163	23.6	27.4
Space Fence Inc 1	2014	DE	1,567.7	1,594.2	1	-130.1	-147.9	-	1,437.6	1,446.3	1	-8.3	-9.3
VC-25B	2018	DE	5,014.0	5,303.8	2	-102.8	-103.6	-	4,911.2	5,200.2	2	-2.1	-2.0
WGS	2010	PdE	3,610.6	3,539.7	7	567.3	676.9	2	4,177.9	4,216.6	9	-14.5	-15.7
Subtotal			200,983.1	224,459.1		16,605.9	22,320.5		217,589.0	246,779.6		-4.4	-4.6
MDA:													

BMDS	2002	PE/--	117,778.0	149,047.0	-	43,515.2	53,488.7	-	161,293.2	202,535.7	-	36.9	35.9
Subtotal			117,778.0	149,047.0		43,515.2	53,488.7		161,293.2	202,535.7		36.9	35.9
OSD:													
Chem Demil-ACWA - Blue Grass (BGCAPP)	2011	DE	5,277.6	5,670.8	523	977.6	1,238.9	-	6,255.2	6,909.7	523	18.5	21.8
Chem Demil-ACWA - Pueblo (PCAPP)	2011	DE	4,703.2	4,946.3	2,613	954.6	1,227.0	-	5,657.8	6,173.3	2,613	20.3	24.8
F-35 - F-35 Engine	2012	DE	54,028.1	63,856.6	2,457	482.1	2,612.9	13	54,510.2	66,469.5	2,470	0.6	3.7
F-35 - F-35 Aircraft	2012	DE	276,483.0	331,855.2	2,457	-9,543.9	-561.9	13	266,939.1	331,293.3	2,470	-3.7	-0.5
Subtotal			340,491.9	406,328.9		-7,129.6	4,516.9		333,362.3	410,845.8		-2.4	0.8
Grand Total			1,372,845.7	1,644,529.3		193,084.2	375,769.5		1,565,929.9	2,020,298.8		4.7	8.2

Distribution of Cost Changes (Base-Year Dollars in Millions)

DEC 2019

Cost Changes Between the Baseline and Current Estimate															
Program	Base Year	Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
		This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Army:															
AH-64E New Build	2010	232.6	1,051.6	17.3	117.5	-	-	-198.5	-1,204.6	-	-	4.7	-139.0	56.1	-174.5
AH-64E Remanufacture	2010	-85.0	-85.0	0.3	17.3	-	-	-118.2	2,604.0	-	-	95.4	-528.1	-107.5	2,008.2
AMPV	2019	-	-	-	-	-	-	-132.0	-194.3	-	-	-28.9	-32.7	-160.9	-227.0
AN/TPQ-53	2019	-	-	-	-	-	-	-2.6	-2.6	-	-	-	-	-2.6	-2.6
CH-47F Block II	2017	-	-	-86.4	455.4	-	31.7	-1,181.2	-601.2	-	-	-69.7	-3.7	-1,337.3	-117.8
CIRCM	2018	-	-	-	-	-	-	1.7	196.9	-	-	0.8	-183.9	2.5	13.0
GMLRS/GMLRS AW	2003	-1,072.0	-3,539.2	-311.9	974.3	32.0	48.8	-466.5	2,062.2	-	-	-0.3	8.6	-1,818.7	-445.3
HMS	2011	564.7	564.7	-2,357.2	-2,112.3	335.9	335.9	1,366.9	1,406.3	-	-	494.6	500.5	404.9	695.1
IAMD	2009	-	1,812.7	-	69.1	-	148.7	129.5	-191.5	-	-	34.8	-398.5	164.3	1,440.5
ITEP	2019	-	-	-	-	-	-	8.5	0.4	-	-	1.5	0.3	10.0	0.7
JAGM	2018	-	-	-	-	-	-	-214.6	-203.5	-	-	-23.0	-108.3	-237.6	-311.8
JLTV	2015	1,889.1	2,968.9	32.6	1,793.6	-	-	1,586.5	-231.9	-	-	326.3	395.6	3,834.5	4,926.2
M88A2 HERCULES	1997	-7.5	-7.5	-	-	-	-	-25.4	-93.8	-	-	-2.1	101.6	-35.0	0.3
MQ-1C Gray Eagle	2010	-	635.2	-	0.6	-	93.6	-93.4	-598.9	-	-	0.3	220.4	-93.1	350.9
PAC-3 MSE	2014	-	7,644.6	-	-250.0	-	-	-104.9	-1,680.0	-	-	-54.5	1,237.1	-159.4	6,951.7
PIM	2013	-	858.5	-	-1.0	-	-	223.5	1,098.2	-	-	-13.4	-182.7	210.1	1,773.0
UH-60M Black Hawk	2005	-	2,272.3	-	918.9	-	538.8	-13.5	914.8	-	-	0.1	694.1	-13.4	5,338.9
Subtotal		1,521.9	14,176.8	-2,705.3	1,983.4	367.9	1,197.5	765.8	3,280.5	-	-	766.6	1,581.3	716.9	22,219.5
Navy:															
AAG	2017	-	273.8	-	-	-	-49.6	41.5	-49.2	-	-	-	-	41.5	175.0
AARGM-ER	2019	-	-	-	-	-	-24.8	-115.8	-115.3	-	-	41.1	43.7	-74.7	-96.4
ACV FoV	2014	1,489.7	1,489.7	-	-	674.6	674.6	-67.4	-89.4	-	-	343.6	345.5	2,440.5	2,420.4

AGM-88E AARGM	2003	-226.6	48.1	-40.6	33.0	-	64.2	-1.8	134.9	-	-	-38.5	-13.4	-307.5	266.8
AIM-9X BIK II	2011	-	3,564.6	-	-896.0	-	268.7	-161.5	-1,557.8	-	-	-30.2	6.2	-191.7	1,385.7
AMDR	2013	-	-	-216.4	-177.6	49.5	-79.2	56.2	-28.3	-	-	138.8	239.0	28.1	-46.1
CEC	2002	-13.6	234.1	115.4	673.7	2.4	282.2	-20.3	178.7	-	-	5.8	-8.2	89.7	1,360.5
CH-53K	2017	82.3	82.3	-	288.8	-	-	1,668.0	1,771.8	-	-	37.2	-115.3	1,787.5	2,027.6
CVN 78 - CVN 78	2000	-	6,091.1	15.7	189.3	-	-164.7	178.3	-1,914.4	-	-	0.6	27.4	194.6	4,228.7
CVN 78 - EMALS	2000	-	-136.1	-	-	-	-	-2.0	1,417.5	-	-	-	-	-2.0	1,281.4
DDG 1000	2005	-	-14,646.0	-	60.4	-	375.1	431.9	3,006.6	-	-	-	-	431.9	-11,203.9
DDG 51	1987	-994.1	41,520.5	-34.9	758.3	92.2	5,372.1	42.7	8,789.8	-	-	-	-	-894.1	56,440.7
E-2D AHE	2009	1,839.6	1,839.6	177.6	1,361.8	13.3	1,941.8	-194.4	-1,454.0	-	-	312.8	739.4	2,148.9	4,428.6
ESB_	2011	-540.0	-540.0	32.3	32.3	-	-	7.2	-6.5	-	-	-40.9	-75.6	-541.4	-589.8
G/ATOR	2012	-	-	-	-0.1	8.3	106.8	-31.9	-61.0	-	-	30.2	134.0	6.6	179.7
H-1 Upgrades	2008	-	-5.6	-	-27.2	-	83.6	-191.6	192.3	-	-	31.7	35.8	-159.9	278.9
IDECM	2018	-	-	-	-	16.7	16.7	-6.0	-1.2	-	-53.0	6.2	6.3	16.9	-31.2
IRST	2008	-	-19.0	-	-	7.4	115.9	-82.6	-13.6	-	-	30.6	-63.7	-44.6	19.6
JPALS	2016	-	1.4	0.1	-18.9	-	-	-0.2	-39.2	-	-	-3.8	-48.2	-3.9	-104.9
KC-130J	2010	-	612.9	-14.7	327.7	-	177.1	-41.7	-663.4	-	-	30.6	-74.9	-25.8	379.4
LCS	2010	-	-10,492.6	-	837.5	-	1,236.6	-243.0	-4,315.0	-	-	-	-	-243.0	-12,733.5
LCS MM	2010	-	-1,248.9	33.7	1,336.2	22.8	18.4	-3.0	-939.2	-	-	5.9	139.3	59.4	-694.2
LHA 6	2006	-	8,827.3	-	-28.9	-	49.5	-67.5	-1,150.2	-	249.7	-	-	-67.5	7,947.4
LPD 17	1996	-	5,830.8	-	1,088.4	-	-	-172.0	9,898.7	-	3,078.4	-	-	-172.0	19,896.3
MIDS	2003	404.6	2,345.9	-	-33.5	-	488.3	-314.9	-201.1	-	-	-	20.9	89.7	2,620.5
MQ-25	2018	-	-199.3	-	910.1	-	-	450.4	-2,231.0	-	-	17.1	71.1	467.5	-1,449.1
MQ-4C Triton	2016	-	-69.3	120.4	65.3	-	-	342.0	723.3	-	-	160.1	233.8	622.5	953.1
MQ-8 Fire Scout	2017	-	167.9	-	-	69.1	167.3	4.9	-50.7	-	-	-99.0	-92.1	-25.0	192.4
NGJ Mid-Band	2016	-	33.5	-45.6	275.0	-	34.1	-121.6	-294.4	-	-	20.6	67.4	-146.6	115.6
OASuW Inc 1 (LRASM)	2014	354.6	1,083.5	14.8	21.7	114.0	294.7	14.4	-5.9	-	-	0.5	8.4	498.3	1,402.4
P-8A	2010	465.6	474.4	23.9	110.5	7.6	859.7	-33.9	-1,416.4	-	-	-56.4	-162.4	406.8	-134.2
SM-6	2004	-57.1	3,228.7	-3.6	35.4	-	-	-158.2	-827.7	-	-	-32.9	290.1	-251.8	2,726.5
SSBN 826	2017	-	-	-	-	-	-	552.8	-737.9	-	-	11.2	-0.3	564.0	-738.2

SSC	2011	-	-4.0	-	-3.1	-	-	62.5	296.7	-	-	-2.3	10.3	60.2	299.9
SSN 774	1995	-	33,418.9	1,237.9	-2,438.7	-	3,181.9	234.4	-4,419.6	-	-	7.3	261.2	1,479.6	30,003.7
T-AO 205 Class	2016	-	1,462.8	259.9	301.1	-	-7.4	346.2	589.8	-	-	-	-	606.1	2,346.3
Trident II Missile	1983	-	-3,970.8	-0.1	35.1	-	55.9	27.1	4,073.4	-	-	25.1	1,234.8	52.1	1,428.4
V-22	2005	-	420.4	-36.2	1,133.1	-	1,046.7	116.5	-1,499.7	-	-	-91.1	10.7	-10.8	1,111.2
VH-92A	2014	-	-	-	-	-	-	-44.6	-233.0	-	-	19.2	11.0	-25.4	-222.0
Subtotal		2,805.0	81,720.6	1,639.6	6,250.7	1,077.9	16,586.2	2,501.1	6,758.4	-	3,275.1	881.1	3,282.2	8,904.7	117,873.2
Air Force:															
AEHF	2002	-	-	-	-	-	-	-16.3	-675.0	-	-	-	-	-16.3	-675.0
APT	2018	-	-	-5.8	-5.8	-	-	-232.9	-244.9	-	-	314.7	320.4	76.0	69.7
AWACS Bk 40/45 Upgrade	2012	-	-37.9	-	-25.9	-	-	28.7	12.4	-	-	1.0	11.8	29.7	-39.6
B-2 DMS-M	2016	-	-	-	-	-	325.8	-429.3	-351.0	-	-	-27.5	-136.3	-456.8	-161.5
B61 Mod 12 LEP TKA	2019	-	-	-	-	-	-	-50.5	-50.8	-	-	-	-	-50.5	-50.8
C-130J	1996	493.3	9,198.5	-25.0	-263.5	-	148.5	-64.7	-30.4	-	-	29.3	1,924.4	432.9	10,977.5
EPS	2014	-	1,106.9	-	-	-	-	-26.7	-7.2	-	-	-	-	-26.7	1,099.7
F-15 EPAWSS	2016	732.5	-673.3	5.8	82.5	-	-	604.8	573.2	-	-	249.5	187.5	1,592.6	169.9
F-22 Inc 3.2B Mod	2016	-	-	-	-	-	-	-1.3	-48.7	-	-	-0.1	-1.4	-1.4	-50.1
FAB-T	2015	-	-0.2	6.5	33.9	3.1	69.7	13.0	-106.0	-	-	98.3	151.6	120.9	149.0
GPS III	2010	-	661.1	-	-	-	-	2.0	-120.6	-	-	-5.8	232.3	-3.8	772.8
GPS IIIF	2018	-88.2	-88.2	-	-	-	-	-14.6	-50.6	-	-	0.7	-3.7	-102.1	-142.5
HC/MC-130 Recap	2009	-	5,506.5	-	2.8	-	261.8	-513.0	-2,672.3	-	-	167.0	973.8	-346.0	4,072.6
CRH	2019	-	41.3	-20.2	-45.6	352.0	371.6	-140.0	-485.3	-	-	732.7	638.9	924.5	520.9
ICBM Fuze Mod	2014	-	-	-	-	-	-	1.4	5.0	-	-	114.1	114.1	115.5	119.1
JASSM	2010	-	3,897.6	-	-103.4	-	574.7	108.1	1,165.8	-	-	57.8	741.0	165.9	6,275.7
KC-46A	2016	-	-	67.0	664.0	-	-	-98.3	-746.4	-	-	283.8	-669.0	252.5	-751.4
MGUE Inc 1	2017	-	-	-	-	-	-	-43.0	-129.2	-	-	-	-	-43.0	-129.2
UH-1N Replacement	2018	-	-15.0	-2.4	-2.4	-	-	-53.1	-59.7	-	-	45.3	38.0	-10.2	-39.1
MQ-9 Reaper	2008	-63.3	712.5	-	120.8	25.7	700.1	-417.5	-2,365.8	-	-	-	681.7	-455.1	-150.7
NSSL	2012	1,729.8	4,923.4	-	-9.2	-	-	-528.4	-10,741.9	-	-	-	-	1,201.4	-5,827.7
OCX	2017	-	-	-	-	-	-	-21.3	192.4	-	-	-	-	-21.3	192.4

PNVC Integrator	2018	-	-	-	-	1.3	1.3	-15.0	-18.7	-	-	-	-	-13.7	-17.4
SBIRS High	1995	-	-	-	-	-	-	-17.9	-262.4	-	-	-17.3	-190.9	-35.2	-453.3
SDB II	2015	-	-	37.4	44.5	-	112.5	118.7	790.4	-	-	38.1	11.0	194.2	958.4
Space Fence Inc 1	2014	-	-	-	-	-	-	-7.8	-130.1	-	-	-	-	-7.8	-130.1
VC-25B	2018	-	-	-	-	4.3	4.3	55.5	-76.6	-	-	-30.4	-30.5	29.4	-102.8
WGS	2010	-	1,276.7	-	-	-	275.6	-21.7	-1,006.6	-	-	21.8	21.6	0.1	567.3
Subtotal		2,804.1	26,509.9	63.3	492.7	386.4	2,845.9	-1,781.1	-17,641.0	-	-	2,073.0	5,016.3	3,545.7	17,223.8
MDA:															
BMDS	2002	-	12.8	-	-1,404.5	-90.4	43,539.3	1,589.4	1,367.6	-	-	-	-	1,499.0	43,515.2
Subtotal		-	12.8	-	-1,404.5	-90.4	43,539.3	1,589.4	1,367.6	-	-	-	-	1,499.0	43,515.2
OSD:															
Chem Demil-ACWA - Blue Grass (BGCAPP)	2011	-	-	-	660.9	-	-	-128.7	316.7	-	-	-	-	-128.7	977.6
Chem Demil-ACWA - Pueblo (PCAPP)	2011	-	-	-	1,014.1	-	-	-82.7	-59.5	-	-	-	-	-82.7	954.6
F-35 - F-35 Engine	2012	-	150.3	18.5	282.9	-0.8	459.3	-499.8	131.0	-	-	975.8	-541.4	493.7	482.1
F-35 - F-35 Aircraft	2012	-	817.9	856.1	6,389.1	33.6	14,193.7	-25,926.1	-32,379.0	-	-	5,537.0	1,434.4	-19,499.4	-9,543.9
Subtotal		-	968.2	874.6	8,347.0	32.8	14,653.0	-26,637.3	-31,990.8	-	-	6,512.8	893.0	-19,217.1	-7,129.6
Grand Total		7,131.0	123,388.3	-127.8	15,669.3	1,774.6	78,821.9	-23,562.1	-38,225.3	-	3,275.1	10,233.5	10,772.8	-4,550.8	193,702.1

Distribution of Cost Changes (Then-Year Dollars in Millions)

DEC 2019

Cost Changes Between the Baseline and Current Estimate																
Program	Economic		Quantity		Schedule		Engineering		Estimating		Other		Support		Total	
	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date	This Qtr	To Date
Army Subtotal:																
AH-64E New Build	-1.6	14.5	284.4	1,306.7	19.1	189.4	-	-	-239.0	-1,399.4	-	-	5.5	-148.9	68.4	-37.7
AH-64E Remanufacture	-11.7	100.3	-115.0	-115.0	4.0	5.6	-	-	-155.4	3,138.2	-	-	125.0	-553.9	-153.1	2,575.2
AMPV	0.5	5.3	-	-	30.4	-62.6	-	-	-139.1	-329.0	-	-	-30.4	-49.8	-138.6	-436.1
AN/TPQ-53	2.6	2.6	-	-	-	-	-	-	-2.5	-2.5	-	-	-0.1	-0.1	-	-
CH-47F Block II	-49.3	30.7	-	-	-2,434.3	688.6	-	33.9	-1,771.7	-879.4	-	-	-193.3	-5.3	-4,448.6	-131.5
CIRCM	-7.8	5.4	-	-	-	-13.4	-	-	6.9	251.5	-	-	-4.3	-243.6	-5.2	-0.1
GMLRS/GMLRS AW	18.9	638.2	-1,750.1	-5,220.2	-459.4	2,113.2	48.5	72.7	-793.5	3,289.0	-	-	-0.4	9.6	-2,936.0	902.5
HMS	-8.7	9.2	830.3	830.3	-3,359.8	-2,026.6	419.8	419.8	1,925.0	1,743.0	-	-	633.7	845.0	440.3	1,820.7
IAMD	-6.7	86.4	-	2,538.2	14.9	334.9	-	170.6	174.9	-526.2	-	-	51.9	-458.0	235.0	2,145.9
ITEP	-16.7	-2.9	-	-	-	-	-	-	14.6	0.8	-	-	0.6	0.6	-1.5	-1.5
JAGM	17.1	42.6	-	-	-16.2	-39.5	-	-	-290.7	-282.1	-	-	-25.8	-133.4	-315.6	-412.4
JLTV	-24.9	-52.1	2,490.7	3,776.0	1,187.8	3,392.4	-	-	2,281.9	-146.1	-	-	485.8	618.1	6,421.3	7,588.3
M88A2 HERCULES	-0.4	-12.9	-12.4	-12.4	-1.7	0.3	-	-	-41.3	-127.9	-	-	-4.3	124.1	-60.1	-28.8
MQ-1C Gray Eagle	-0.7	35.9	-	723.0	-	-2.2	-	114.1	-113.4	-652.0	-	-	0.1	258.8	-114.0	477.6
PAC-3 MSE	23.7	11.3	-	10,037.8	-113.0	-755.2	-	-	-97.3	-2,111.9	-	-	-79.3	1,618.9	-265.9	8,800.9
PIM	-7.8	-97.1	-	1,193.9	2.8	49.2	-	-	289.3	1,465.8	-	-	-11.1	-200.8	273.2	2,411.0
UH-60M Black Hawk	-17.2	-328.1	-	3,203.0	-12.8	1,381.1	-	655.1	-22.8	1,120.4	-	-	-0.6	893.0	-53.4	6,924.5
Subtotal	-90.7	489.3	1,727.9	18,261.3	-5,138.2	5,255.2	468.3	1,466.2	1,025.9	4,552.2	-	-	953.0	2,574.3	-1,053.8	32,598.5
Navy Subtotal:																
AAG	-0.3	3.8	-	320.1	-	-	-	-54.6	48.5	-56.4	-	-	-	-	48.2	212.9
AARGM-ER	-138.0	-117.9	-	-	134.6	98.5	-	17.0	-146.0	-145.5	-	-	60.6	59.1	-88.8	-88.8

ACV FoV	-1.1	13.0	1,825.2	1,825.2	1.6	1.6	813.5	813.5	-72.3	-97.0	-	-	415.0	417.3	2,981.9	2,973.6
AGM-88E AARGM	1.8	-28.9	-338.4	69.1	-60.0	68.6	-	79.5	-7.2	175.3	-	-	-54.7	-17.0	-458.5	346.6
AIM-9X BIK II	4.2	118.5	-	5,163.7	-15.2	-1,582.0	-	300.8	-208.5	-2,042.7	-	-	-38.6	9.9	-258.1	1,968.2
AMDR	7.0	30.2	-	-	-270.1	-258.8	64.5	-71.2	69.7	-42.4	-	-	182.0	305.9	53.1	-36.3
CEC	3.1	81.2	-30.8	551.1	199.0	1,118.6	5.5	253.6	-31.8	63.7	-	-	11.6	187.9	156.6	2,256.1
CH-53K	-54.6	-93.7	132.1	132.1	382.3	745.7	-	-	1,937.1	2,050.7	-	-	109.5	-32.9	2,506.4	2,801.9
CVN 78 - CVN 78	52.3	6,836.4	-	12,544.3	23.3	175.0	-	-81.2	313.2	-1,054.3	-	-	1.2	40.0	390.0	18,460.2
CVN 78 - EMALS	3.0	517.4	-	-267.2	-	-36.7	-	-	-3.9	2,086.9	-	-	-	-	-0.9	2,300.4
DDG 1000	5.0	1,852.9	-	-19,092.9	-	53.3	-	552.2	628.2	4,518.9	-	-	-	-	633.2	-12,115.6
DDG 51	81.0	-2,783.4	-2,722.5	75,897.3	179.6	2,277.4	100.1	10,897.9	215.0	18,092.1	-	-	-	-	-2,146.8	104,381.3
E-2D AHE	-9.6	-40.8	2,601.6	2,601.6	225.0	1,999.8	18.7	2,352.3	-287.3	-1,820.8	-	-	443.0	1,036.6	2,991.4	6,128.7
ESB_	4.5	49.3	-737.4	-737.4	46.6	61.0	-	-	10.2	-10.5	-	-	-54.9	-101.5	-731.0	-739.1
G/ATOR	-1.2	-31.1	-	-	-	-3.4	9.8	125.7	-50.4	-56.0	-	-	38.9	165.7	-2.9	200.9
H-1 Upgrades	-5.1	-236.1	-	-8.9	-	-25.8	-	96.7	-233.0	220.8	-	-	36.7	43.2	-201.4	89.9
IDECM	-0.9	-2.7	-	-	-	-0.7	18.8	18.8	-6.2	-1.0	-	-58.2	6.3	4.9	18.0	-38.9
IRST	-1.8	7.1	-	-23.3	4.9	4.9	10.1	141.2	-108.7	-15.1	-	-	38.4	-80.9	-57.1	33.9
JPALS	0.9	3.4	-	-	0.3	-25.1	-	-	-0.8	-45.7	-	-	-4.2	-59.4	-3.8	-126.8
KC-130J	-16.4	136.9	-	845.4	45.6	772.6	-	243.0	-55.5	-784.9	-	-	50.0	-42.8	23.7	1,170.2
LCS	14.2	2,706.5	-	-15,096.4	-	1,168.9	-	1,680.5	-311.6	-5,487.2	-	-	-	-	-297.4	-15,027.7
LCS MM	0.5	-131.8	-	-1,694.8	72.7	1,982.2	29.1	26.7	5.9	-1,094.3	-	-	10.2	180.0	118.4	-732.0
LHA 6	12.9	860.0	-	12,419.4	-81.9	-66.5	-	58.5	-141.5	-1,684.3	-	272.0	-	-	-210.5	11,859.1
LPD 17	52.4	1,097.6	-	14,375.9	-	2,398.9	-	-	-342.6	17,405.4	-	5,471.7	-	-1.5	-290.2	40,748.0
MIDS	-1.7	23.3	604.8	3,226.1	-12.7	-106.6	-	562.8	-463.1	-232.0	-	-	-	24.6	127.3	3,498.2
MQ-25	-17.2	-141.8	-	-297.1	-	1,289.5	-	-	567.6	-2,592.3	-	-	16.4	86.9	566.8	-1,654.8
MQ-4C Triton	-21.8	43.8	-	-99.1	384.0	319.3	-	-	402.1	836.8	-	-	247.2	343.5	1,011.5	1,444.3
MQ-8 Fire Scout	-0.6	7.7	-	176.1	-	-	80.2	190.1	5.0	-49.7	-	-	-115.6	-97.2	-31.0	227.0
NGJ Mid-Band	-6.1	30.0	-	21.5	-72.3	501.1	-	36.4	-133.5	-334.8	-	-	24.5	100.5	-187.4	354.7
OASuW Inc 1 (LRASM)	2.3	-6.4	437.8	1,296.5	26.0	32.9	134.0	337.1	16.3	-6.2	-	-	0.8	9.9	617.2	1,663.8
P-8A	-12.0	273.6	570.3	547.8	29.3	456.6	9.3	1,023.1	-29.5	-1,627.6	-	-	-68.5	-86.3	498.9	587.2
SM-6	12.1	-65.3	-93.8	4,977.8	-1.2	284.8	-	-	-250.8	-1,127.2	-	-	-49.1	479.1	-382.8	4,549.2

SSBN 826	201.6	898.5	-	-	-	-	-	-	593.6	-1,542.2	-	-	19.3	9.6	814.5	-634.1	
SSC	8.2	218.6	-	-1.5	133.9	287.0	-	-	86.9	422.3	-	-	-	19.9	229.0	946.3	
SSN 774	162.4	6,564.6	-	73,830.4	3,468.6	-6,359.6	-	6,351.2	335.0	-8,769.9	-	-	24.4	691.9	3,990.4	72,308.6	
T-AO 205 Class	20.5	86.5	-	2,137.4	680.7	314.9	-	-8.0	519.8	881.7	-	-	-	-	1,221.0	3,412.5	
Trident II Missile	6.2	-397.7	-	-6,719.1	-	1,896.4	-	100.8	73.5	9,087.6	-	-	68.3	2,992.2	148.0	6,960.2	
V-22	-15.2	-487.9	-	575.2	-55.1	2,167.6	-	1,409.6	174.5	-1,362.3	-	-	-116.4	132.4	-12.2	2,434.6	
VH-92A	-2.3	-73.5	-	-	-	-	-	-	-48.7	-217.3	-	-	21.7	11.3	-29.3	-279.5	
Subtotal	350.2	17,821.8	2,248.9	169,496.3	5,469.5	12,011.9	1,293.6	27,454.0	3,069.2	23,542.6	-	-	5,685.5	1,324.0	6,832.8	13,755.4	262,844.9
Air Force Subtotal:																	
AEHF	-0.7	57.9	-	-	-	-	-	-	-22.8	-903.6	-	-	-	-	-23.5	-845.7	
APT	-12.6	25.7	-	-	-64.0	-64.0	-	-	-306.0	-324.0	-	-	379.2	385.3	-3.4	23.0	
AWACS Bk 40/45 Upgraded	-0.4	-4.4	-	-44.1	-	-25.0	-	-	32.9	34.6	-	-	1.2	14.4	33.7	-24.5	
B-2 DMS-M	-1.7	9.1	-	-	16.6	16.6	-	363.0	-513.2	-397.8	-	-	-29.2	-151.0	-527.5	-160.1	
B61 Mod 12 LEP TKA	-	-3.7	-	-	-	-	-	-	-51.6	-59.7	-	-	-	-	-51.6	-63.4	
C-130J	-2.2	68.7	772.9	12,104.0	-38.8	-528.2	-	202.2	-102.9	-202.2	-	-	44.4	2,347.3	673.4	13,991.8	
EPS	-0.7	3.4	-	1,243.8	-	-	-	-	-29.9	-7.4	-	-	-	-	-30.6	1,239.8	
F-15 EPAWSS	-3.5	14.4	959.8	-802.8	23.9	144.2	-	-	725.0	651.8	-	-	319.5	251.5	2,024.7	259.1	
F-22 Inc 3.2B Mod	-0.1	1.2	-	-	-	-	-	-	-1.5	-51.7	-	-	-	-1.3	-1.6	-51.8	
FAB-T	-0.3	2.6	-	0.2	7.6	36.9	3.6	78.4	13.5	-116.8	-	-	118.4	176.4	142.8	177.7	
GPS III	-0.5	35.1	-	754.7	-	-	-	-	1.3	-125.5	-	-	-7.7	273.5	-6.9	937.8	
GPS IIIF	-6.1	33.7	-57.7	-57.7	-	-	-	-	-8.9	-43.5	-	-	0.3	-4.9	-72.4	-72.4	
HC/MC-130 Recap	-6.8	136.6	-	6,667.0	-	-100.4	-	286.3	-688.3	-3,186.4	-	-	220.7	1,205.4	-474.4	5,008.5	
CRH	-81.8	-229.9	-	40.0	-80.8	-233.2	405.0	425.9	-164.8	-499.7	-	-	855.3	726.1	932.9	229.2	
ICBM Fuze Mod	-0.5	-20.3	-	-	3.8	3.8	-	-	-3.0	1.1	-	-	145.7	145.7	146.0	130.3	
JASSM	-2.3	109.1	-	5,143.8	-102.7	-917.4	-	758.6	170.0	1,757.3	-	-	65.8	946.8	130.8	7,798.2	
KC-46A	-41.0	130.1	-	-	152.4	974.5	-	-	-120.1	-821.1	-	-	383.1	-665.4	374.4	-381.9	
MGUE Inc 1	-0.5	6.0	-	-	-	-	-	-	-45.7	-136.8	-	-	-	-	-46.2	-130.8	
UH-1N Replacement	-4.7	9.7	-	-27.4	-30.2	-40.0	-	-	-54.6	-67.6	-	-	48.9	40.2	-40.6	-85.1	
MQ-9 Reaper	-	125.5	-83.2	874.2	-	249.6	34.8	928.8	-537.9	-2,849.8	-	-	-	888.6	-586.3	216.9	
NSSL	-22.8	461.6	2,280.4	6,736.3	-	417.6	-	-	-576.6	-13,930.4	-	-	-	-	1,681.0	-6,314.9	

OCX	-2.0	23.0	-	-	-	-	-	-	-	-23.0	213.9	-	-	-	-	-	-25.0	236.9
PNVC Integrator	-0.1	-0.1	-	-	-	-	1.6	1.6	-15.0	-18.8	-	-	-	-	-	-	-13.5	-17.3
SBIRS High	-1.4	62.3	-	-	-	-	-	-	-27.4	-382.3	-	-	-27.1	-291.3	-55.9	-611.3	-	-
SDB II	1.8	8.5	-	-	113.8	113.4	-	120.8	133.7	957.1	-	-	49.9	17.9	299.2	1,217.7	-	-
Space Fence Inc 1	-0.1	-12.8	-	-	-	-	-	-	-8.5	-135.1	-	-	-	-	-	-	-8.6	-147.9
VC-25B	-3.2	10.9	-	-	-	-	4.6	4.6	50.0	-87.6	-	-	-31.4	-31.5	20.0	-103.6	-	-
WGS	-0.5	22.9	-	1,464.7	-	-	-	324.6	-25.2	-1,160.3	-	-	25.3	25.0	-0.4	676.9	-	-
Subtotal	-194.7	1,086.8	3,872.2	34,096.7	1.6	48.4	449.6	3,494.8	-2,200.5	-21,892.3	-	-	2,562.3	6,298.7	4,490.5	23,133.1	-	-
MDA Subtotal:																		
BMDS	112.0	122.0	-	15.0	-	-1,676.2	-135.2	51,832.9	2,277.1	3,195.0	-	-	-	-	-	-	2,253.9	53,488.7
Subtotal	112.0	122.0	-	15.0	-	-1,676.2	-135.2	51,832.9	2,277.1	3,195.0	-	-	-	-	-	-	2,253.9	53,488.7
OSD Subtotal:																		
Chem Demil-ACWA - Blue Grass (BGCAPP)	-0.9	36.8	-	-	-	862.1	-	-	-152.4	340.0	-	-	-	-	-	-	-153.3	1,238.9
Chem Demil-ACWA - Pueblo (PCAPP)	-0.8	-50.4	-	-	-	1,302.5	-	-	-97.3	-25.1	-	-	-	-	-	-	-98.1	1,227.0
F-35 - F-35 Engine	-107.1	232.4	-	221.3	-8.1	2,481.7	-1.0	544.4	-875.0	-399.1	-	-	1,525.3	-467.8	534.1	2,612.9	-	-
F-35 - F-35 Aircraft	-573.7	1,546.3	-	1,204.0	834.4	21,657.3	38.1	17,632.7	-39,670.8	-46,498.9	-	-	8,218.0	3,896.7	-31,154.0	-561.9	-	-
Subtotal	-682.5	1,765.1	-	1,425.3	826.3	26,303.6	37.1	18,177.1	-40,795.5	-46,583.1	-	-	9,743.3	3,428.9	-30,871.3	4,516.9	-	-
Grand Total	-505.7	21,285.0	7,849.0	223,294.6	1,159.2	41,942.9	2,113.4	102,425.0	-36,623.8	-37,185.6	-	5,685.5	14,582.6	19,134.7	-11,425.3	376,582.1	-	-

Program Acquisition Cost Summary (Dollars in Millions)

DEC 2019

Program	Base Year	Current Estimate			Changes This Quarter		
		Base Year \$	Then Year \$	Quantity	Base Year \$	Then Year \$	Quantity
Army							
AH-64E New Build	2010	2,132.5	2,472.7	79	56.1	68.4	5
AH-64E Remanufacture	2010	12,476.9	14,471.8	631	-107.5	-153.1	-8
AMPV	2019	12,534.9	15,390.6	2,936	-160.9	-138.6	0
AN/TPQ-53	2019	3,655.7	3,454.0	193	-2.6	0.0	0
CH-47F Block II	2017	16,102.0	22,437.2	542	-1,337.3	-4,448.6	0
CIRCM	2018	3,933.6	4,677.1	1,829	2.5	-5.2	0
GMLRS/GMLRS AW	2003	9,334.9	12,751.4	79,481	-1,818.7	-2,936.0	-17,990
HMS	2011	8,937.7	11,021.7	299,972	404.9	440.3	28,770
IAMD	2009	6,297.1	7,937.5	479	164.3	235.0	0
ITEP	2019	12,089.1	17,864.4	6,258	10.0	-1.5	0
JAGM	2018	6,758.6	8,289.5	26,437	-237.6	-315.6	0
JLTV	2015	24,625.7	32,132.3	64,621	3,834.5	6,421.3	6,299
M88A2 HERCULES	1997	2,359.4	2,956.8	935	-35.0	-60.1	-3
MQ-1C Gray Eagle	2010	5,602.9	6,026.6	45	-93.1	-114.0	0
PAC-3 MSE	2014	12,988.7	15,523.2	3,100	-159.4	-265.9	0
PIM	2013	8,616.6	10,363.5	691	210.1	273.2	0
UH-60M Black Hawk	2005	22,140.6	27,771.6	1,370	-13.4	-53.4	0
SubTotal		170,586.9	215,541.9		716.9	-1,053.8	
Navy							
AAG	2017	2,402.8	2,466.3	4	41.5	48.2	0
AARGM-ER	2019	3,345.7	3,982.5	2,097	-74.7	-88.8	0
ACV FoV	2014	4,256.1	4,984.4	682	2,440.5	2,981.9	442
AGM-88E AARGM	2003	1,795.3	2,208.0	1,843	-307.5	-458.5	-632
AIM-9X BIK II	2011	5,353.0	6,824.3	11,635	-191.7	-258.1	0
AMDR	2013	5,247.4	6,127.4	20	28.1	53.1	-2
CEC	2002	5,483.8	6,566.8	358	89.7	156.6	-3
CH-53K	2017	29,733.4	34,036.2	200	1,787.5	2,506.4	0
CVN 78 - CVN 78	2000	31,954.3	53,360.6	4	194.6	390.0	0
CVN 78 - EMALS	2000	2,257.0	3,482.1	4	-2.0	-0.9	0
DDG 1000	2005	20,344.0	24,180.7	3	431.9	633.2	0
DDG 51	1987	73,394.4	124,498.8	95	-894.1	-2,146.8	-2
E-2D AHE	2009	21,897.2	25,160.1	86	2,148.9	2,991.4	11
ESB_	2011	3,939.1	4,457.1	7	-541.4	-731.0	-1
G/ATOR	2012	2,795.0	3,118.8	45	6.6	-2.9	0
H-1 Upgrades	2008	11,482.3	12,276.7	353	-159.9	-201.4	0
IDECM	2018	1,274.0	1,294.0	324	16.9	18.0	0
IRST	2008	1,934.2	2,381.0	173	-44.6	-57.1	0
JPALS	2016	1,722.2	1,733.3	33	-3.9	-3.8	0
KC-130J	2010	9,613.3	11,052.0	111	-25.8	23.7	0
LCS	2010	19,277.5	22,411.1	35	-243.0	-297.4	0

LCS MM	2010	5,685.3	6,716.3	49	59.4	118.4	0
LHA 6	2006	10,824.8	14,952.6	4	-67.5	-210.5	0
LPD 17	1996	28,914.4	51,509.8	26	-172.0	-290.2	0
MIDS	2003	4,445.3	5,317.1	10,936	89.7	127.3	1,127
MQ-25	2018	11,169.2	13,714.6	76	467.5	566.8	0
MQ-4C Triton	2016	16,017.4	18,471.4	70	622.5	1,011.5	0
MQ-8 Fire Scout	2017	3,141.5	3,049.2	68	-25.0	-31.0	0
NGJ Mid-Band	2016	7,579.3	8,785.6	135	-146.6	-187.4	0
OASuW Inc 1 (LRASM)	2014	2,869.7	3,229.5	504	498.3	617.2	114
P-8A	2010	32,211.7	35,087.9	125	406.8	498.9	3
SM-6	2004	8,007.6	11,146.4	2,311	-251.8	-382.8	-20
SSBN 826	2017	99,483.7	127,603.9	12	564.0	814.5	0
SSC	2011	4,225.5	5,677.4	73	60.2	229.0	0
SSN 774	1995	94,357.3	165,515.9	48	1,479.6	3,990.4	0
T-AO 205 Class	2016	10,889.8	14,144.1	20	606.1	1,221.0	0
Trident II Missile	1983	27,984.7	42,478.7	561	52.1	148.0	0
V-22	2005	51,361.6	55,688.0	464	-10.8	-12.2	0
VH-92A	2014	4,427.7	4,905.2	23	-25.4	-29.3	0
SubTotal		683,098.5	944,595.8		8,904.7	13,755.4	
Air Force							
AEHF	2002	2,040.1	2,642.5	2	-16.3	-23.5	0
APT	2018	8,145.1	9,934.3	351	76.0	-3.4	0
AWACS Bk 40/45	2012	2,782.8	2,783.1	31	29.7	33.7	0
B-2 DMS-M	2016	2,394.7	2,524.4	20	-456.8	-527.5	0
B61 Mod 12 LEP TKA	2019	1,101.0	1,083.8	890	-50.5	-51.6	0
C-130J	1996	11,708.2	14,831.5	178	432.9	673.4	8
EPS	2014	2,488.8	2,578.3	4	-26.7	-30.6	0
F-15 EPAWSS	2016	4,421.4	5,284.6	363	1,592.6	2,024.7	142
F-22 Inc 3.2B Mod	2016	1,432.7	1,409.1	152	-1.4	-1.6	0
FAB-T	2015	1,892.0	1,875.8	109	120.9	142.8	0
GPS III	2010	4,915.7	5,207.6	10	-3.8	-6.9	0
GPS IIIF	2018	9,131.3	10,699.1	22	-102.1	-72.4	0
HC/MC-130 Recap	2009	12,150.7	13,753.8	134	-346.0	-474.4	0
CRH	2019	9,248.2	10,085.4	113	924.5	932.9	0
ICBM Fuze Mod	2014	1,933.9	2,206.0	781	115.5	146.0	0
JASSM	2010	8,470.7	10,099.6	7,231	165.9	130.8	0
KC-46A	2016	38,777.7	43,976.6	179	252.5	374.4	0
MGUE Inc 1	2017	1,376.5	1,400.4	0	-43.0	-46.2	0
UH-1N Replacement	2018	3,269.7	3,784.4	84	-10.2	-40.6	0
MQ-9 Reaper	2008	9,982.7	11,239.1	414	-455.1	-586.3	-19
NSSL	2012	55,615.7	63,014.5	192	1,201.4	1,681.0	12
OCX	2017	6,222.8	6,253.8	1	-21.3	-25.0	0
PNVC Integrator	2018	318.3	336.1	0	-13.7	-13.5	0
SBIRS High	1995	2,228.3	3,254.1	2	-35.2	-55.9	0
SDB II	2015	5,013.3	5,658.6	17,163	194.2	299.2	0
Space Fence Inc 1	2014	1,437.6	1,446.3	1	-7.8	-8.6	0
VC-25B	2018	4,911.2	5,200.2	2	29.4	20.0	0
WGS	2010	4,177.9	4,216.6	9	0.1	-0.4	0

SubTotal		217,589.0	246,779.6		3,545.7	4,490.5	
MDA							
BMDS	2002	161,293.2	202,535.7	0	1,499.0	2,253.9	0
SubTotal		161,293.2	202,535.7		1,499.0	2,253.9	
OSD							
Chem Demil-ACWA - Blue (BOCAPP)	2011	6,255.2	6,909.7	523	-128.7	-153.3	0
Chem Demil-ACWA - F-111 (BOCAPP)	2011	5,657.8	6,173.3	2,613	-82.7	-98.1	0
F-35 - F-35 Engine	2012	54,510.2	66,469.5	2,470	493.7	534.1	0
F-35 - F-35 Aircraft	2012	266,939.1	331,293.3	2,470	-19,499.4	-31,154.0	0
SubTotal		333,362.3	410,845.8		-19,217.1	-30,871.3	
Grand Total		1,565,929.9	2,020,298.8		-4,550.8	-11,425.3	

Program Funding Status (TY \$ in Millions)

DEC 2019

Program	Prior Years	FY 2020	FY 2021	Balance of Program	Total
Army					
AH-64E New Build	2,403.5	-	69.2	-	2,472.7
AH-64E Remanufacture	9,618.8	1,026.9	976.7	2,849.4	14,471.8
AMPV	2,033.9	534.1	295.2	12,527.4	15,390.6
AN/TPQ-53	3,314.5	63.4	30.7	45.4	3,454.0
CH-47F Block II	960.9	360.8	440.3	20,675.2	22,437.2
CIRCM	699.4	192.8	261.6	3,523.3	4,677.1
GMLRS/GMLRS AW	6,398.6	1,296.6	1,055.7	4,000.5	12,751.4
HMS	3,015.2	499.5	698.5	6,808.5	11,021.7
IAMD	2,827.0	242.9	400.2	4,467.4	7,937.5
ITEP	652.3	208.1	251.4	16,752.6	17,864.4
JAGM	1,590.1	302.9	287.3	6,109.2	8,289.5
JLTV	4,872.7	1,548.0	1,292.9	24,418.7	32,132.3
M88A2 HERCULES	2,876.7	80.1	-	-	2,956.8
MQ-1C Gray Eagle	6,026.0	0.1	0.1	0.4	6,026.6
PAC-3 MSE	5,954.2	705.7	812.8	8,050.5	15,523.2
PIM	3,838.7	556.6	439.1	5,529.1	10,363.5
UH-60M Black Hawk	19,733.4	1,513.5	844.3	5,680.4	27,771.6
Army Subtotal:	76,815.9	9,132.0	8,156.0	121,438.0	215,541.9
Navy					
AAG	1,854.9	183.5	113.7	314.2	2,466.3
AARGM-ER	190.5	147.5	232.4	3,412.1	3,982.5
ACV FoV	1,144.6	371.4	535.7	2,932.7	4,984.4
AGM-88E AARGM	1,930.9	187.4	89.7	-	2,208.0
AIM-9X Bik II	2,258.5	341.9	323.1	3,900.8	6,824.3
AMDR	2,977.4	578.3	510.0	2,061.7	6,127.4
CEC	4,841.0	209.1	171.2	1,345.5	6,566.8
CH-53K	9,284.3	1,653.4	1,562.6	21,535.9	34,036.2
CVN 78 - CVN 78	32,474.0	2,398.9	2,929.9	15,557.8	53,360.6
CVN 78 - EMALS	2,654.2	147.4	98.9	581.6	3,482.1
DDG 1000	22,720.3	338.8	368.2	753.4	24,180.7
DDG 51	96,553.5	6,103.7	3,462.7	18,378.9	124,498.8
E-2D AHE	16,540.0	1,493.9	1,125.6	6,000.6	25,160.1
ESB_	4,330.3	54.1	21.1	51.6	4,457.1
G/ATOR	1,916.3	315.2	320.0	567.3	3,118.8
H-1 Upgrades	12,223.6	44.0	7.3	1.8	12,276.7
IDECM	863.5	73.4	70.3	286.8	1,294.0
IRST	1,062.5	180.0	300.4	838.1	2,381.0

Program Funding Status (TY \$ in Millions)

JPALS	1,301.5	158.8	157.7	115.3	1,733.3
KC-130J	5,239.7	309.0	448.6	5,054.7	11,052.0
LCS	21,387.4	231.0	190.7	602.0	22,411.1
LCS MM	3,291.7	250.1	403.8	2,770.7	6,716.3
LHA 6	11,200.4	663.8	33.2	3,055.2	14,952.6
LPD 17	24,671.6	555.3	1,220.0	25,062.9	51,509.8
MIDS	4,242.2	327.8	239.8	507.3	5,317.1
MQ-25	675.2	590.9	233.6	12,214.9	13,714.6
MQ-4C Triton	7,799.0	788.9	356.7	9,526.8	18,471.4
MQ-8 Fire Scout	2,552.5	74.7	71.0	351.0	3,049.2
NGJ Mid-Band	2,747.8	491.9	683.6	4,862.3	8,785.6
OASuW Inc 1 (LRASM)	1,788.1	187.9	224.4	1,029.1	3,229.5
P-8A	32,483.4	1,801.6	263.3	539.6	35,087.9
SM-6	4,901.1	515.0	550.0	5,180.3	11,146.4
SSBN 826	14,569.1	2,425.4	4,433.2	106,176.2	127,603.9
SSC	2,113.5	96.0	24.8	3,443.1	5,677.4
SSN 774	91,799.0	8,811.5	4,703.0	60,202.4	165,515.9
T-AO 205 Class	2,411.4	1,074.4	94.8	10,563.5	14,144.1
Trident II Missile	39,738.3	721.3	620.3	1,398.8	42,478.7
V-22	49,654.7	1,590.1	1,139.6	3,303.6	55,688.0
VH-92A	2,862.6	905.2	869.8	267.6	4,905.2
Navy Subtotal:	543,250.5	37,392.5	29,204.7	334,748.1	944,595.8
Air Force					
AEHF	2,605.8	21.9	14.8	-	2,642.5
APT	341.9	372.0	272.4	8,948.0	9,934.3
AWACS Blk 40/45 Upgrade	2,654.5	32.8	53.4	42.4	2,783.1
B-2 DMS-M	1,660.8	250.1	154.8	458.7	2,524.4
B61 Mod 12 LEP TKA	927.2	108.4	45.4	2.8	1,083.8
C-130J	13,989.7	749.1	41.9	50.8	14,831.5
CRH	2,305.3	1,113.1	1,290.4	5,376.6	10,085.4
EPS	1,800.6	412.4	190.2	175.1	2,578.3
F-15 EPAWSS	836.5	239.8	447.2	3,761.1	5,284.6
F-22 Inc 3.2B Mod	1,383.0	20.2	5.9	-	1,409.1
FAB-T	1,640.6	47.3	80.9	107.0	1,875.8
GPS III	5,045.4	55.5	27.2	79.5	5,207.6
GPS IIIF	614.4	842.5	891.3	8,350.9	10,699.1
HC/MC-130 Recap	11,802.1	917.7	412.4	621.6	13,753.8
ICBM Fuze Mod	901.8	180.7	214.0	909.5	2,206.0
JASSM	4,440.6	562.3	577.2	4,519.5	10,099.6
KC-46A	18,739.5	2,205.1	3,143.2	19,888.8	43,976.6
MGUE Inc 1	1,182.4	133.2	73.9	10.9	1,400.4
MQ-9 Reaper	9,786.4	680.7	322.5	449.5	11,239.1

Program Funding Status (TY \$ in Millions)

NSSL	32,445.4	2,412.3	2,525.3	25,631.5	63,014.5
OCX	4,504.9	445.3	482.0	821.6	6,253.8
PNVC Integrator	115.2	67.8	67.4	85.7	336.1
SBIRS High	3,042.4	106.8	104.9	-	3,254.1
SDB II	2,048.9	383.1	424.8	2,801.8	5,658.6
Space Fence Inc 1	1,446.3	-	-	-	1,446.3
UH-1N Replacement	511.8	217.0	256.9	2,798.7	3,784.4
VC-25B	2,121.9	850.2	801.4	1,426.7	5,200.2
WGS	4,216.6	-	-	-	4,216.6
Air Force Subtotal:	133,111.9	13,427.3	12,921.7	87,318.7	246,779.6
Grand Total	753,178.3	59,951.8	50,282.4	543,504.8	1,406,917.3