

UNITED STATES AIR FORCE

FISCAL
YEAR
20
20



BUDGET OVERVIEW

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U.S. AIR FORCE

Overview

- **Strategic Environment**
- **A More Lethal and Ready Force**
- **Fielding Faster and Smarter**
- **Fiscal Environment**
- **FY20 Budget Request**
- **FY20 by Appropriation**
- **Final Thoughts**



A member of the 123rd Airlift Wing reunites with family after returning from a four-month deployment in support of Operation Inherent Resolve

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Strategic Environment

The United States faces an increasingly complex global security environment, characterized by overt challenges to the free and open international order and the re-emergence of long-term, strategic competition between nations.

- 2018 National Defense Strategy

- **Growing China and Resurgent Russia Challenging U.S. Dominance**
 - Air, Land, Sea, Space and Cyberspace
 - Information warfare
 - Ambiguous or denied proxy operations
 - Subversive action

- **Air Force must Compete, Deter, and Win across Five Priority Missions**
 - Defend the homeland
 - Provide a safe, secure, and effective nuclear deterrent
 - Defeat a powerful conventional enemy
 - Deter opportunistic aggression
 - Disrupt violent extremists in a cost effective manner

The future “Air Force We Need” has 386 Operational Squadrons



A More Lethal and Ready Force

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People and Training

- Grows Total Force military 4,400 Airmen; maximizes flying hours; updates ranges

Cost-effective Maintenance and Logistics

- Resources Enterprise Sustaining Engineering efforts

Aviation Safety

- Funds Next Generation Ejection Seat

Safe, Secure and Effective Nuclear Deterrent

- Continues recapitalization of two-thirds of the nuclear triad

Modernization

- Continues B-21 development; modernizes fighters with F-35 and F-15EX purchases

Cyber Dominance

- Funds cyber mission forces; Joint Cyber Command and Control System

Accelerating Defendable Space

- Initiates Space Force Headquarters; procures first GPS III Follow-on satellite

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Fielding Faster and Smarter

Prototyping and Experimentation

- Leverages technology across DoD for Hypersonics
- Expands Light Attack experiment with new aircraft types and technologies

Tailored Acquisition Strategies

- Employs digital modeling for B-52's Commercial Engine Replacement Program
- Accelerates F-15 Eagle Passive Active Warning Survivability System

Agile Software Development

- Expands Kessel Run Experimentation Lab expertise

Expanded Competition

- Leverages private/public partnerships for National Security Space Launches
- Leads innovative approaches with small business and start-up "Pitch Day"
- Fosters culture of performance among Airmen through Spark Tank challenge

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Fiscal Environment

Congressional Support

- **Over \$50B FY17-FY19 topline growth**
 - **Grew 14K Total Force Military...to set foundation for readiness recovery**
 - **Funded critical readiness supplies/equipment...to “fight tonight”**
 - **Increased R&D over 80%...to hone our technological edge**
 - **Procured 23 additional F-35As...to accelerate game-changing capabilities**
- **Enacted FY19 authorization and appropriation on-time**
 - **Capitalized on multi-year effort to recover readiness**
 - **Provided opportunity to accelerate execution**

Results and Accountability

- **Refined cost models...to drive budget discipline**
- **Eliminated redundancy...to maximize taxpayer dollars**
- **Challenged status quo...to optimize power projection**

Unpredictable Future

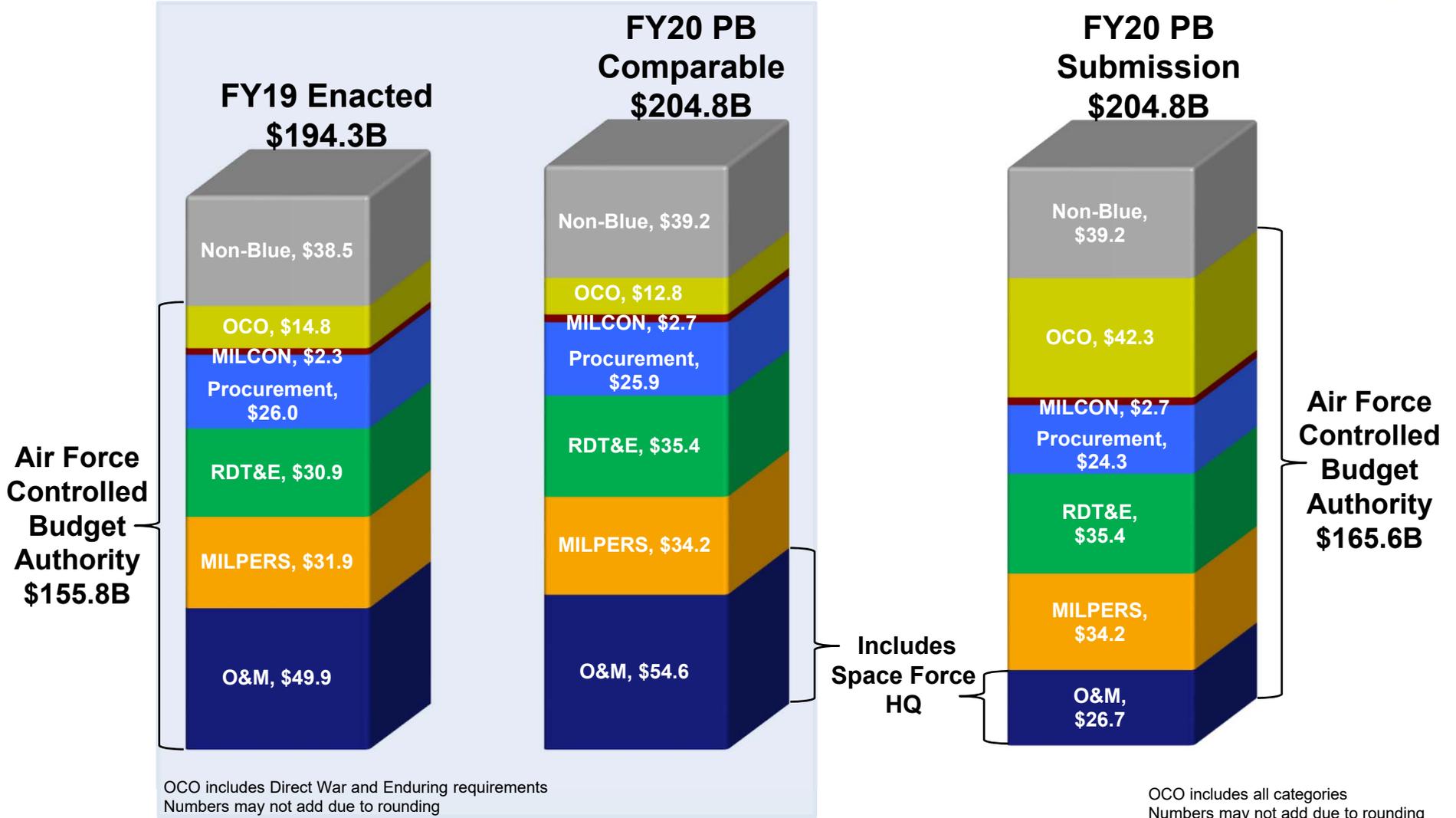
- **Preserving lethality and readiness gains requires Congressional topline support**

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FY20 Budget Request

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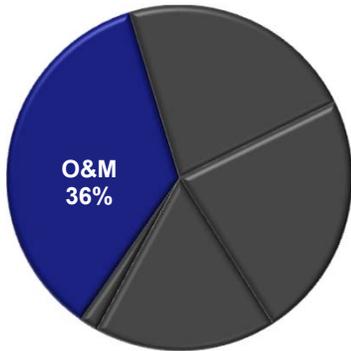


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Operations & Maintenance

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Category (\$B)	FY19 Enacted*	FY20 PB**
Operating Forces	42.0	46.6
Mobilization	1.3	1.3
Training & Recruiting	2.2	2.4
Administration and Service Wide	4.4	4.2
Air Force Total	49.9	54.5
O&M, Space Force	0.0	0.1
Space Force Total	0.0	0.1
Department Total	49.9	54.6

Numbers may not add due to rounding
 *Does not include \$600M moved to OCO
 **Includes \$27.9B In OCO for Base requirements



A F-22 Raptor flies behind a KC-135 Stratotanker during an aerial refueling exercise off the coast of Finland

Budget Highlights:

- Funds WSS combat coded platforms to increased readiness levels
- Addresses aircrew shortages in production, training, and retention
- Funds flying hours to maximum executable levels
- Improves Airmen and installation readiness
- Continues efforts to train and equip cyber mission forces
- Resources initial stand-up of Space Force Headquarters

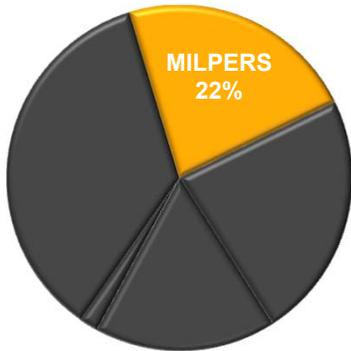
Program (\$M)	FY19 Enacted	FY20 PB
Weapon System Sustainment (WSS)	13,161	14,847
Mission Support	13,333	13,711
Civilian Pay	10,734	10,727
Flying Hour	5,813	6,063
Installation Support	4,083	5,048
FSRM	2,769	4,109
Space Force	0	72
TOTAL	49,894	54,577

Building a more lethal and ready force



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Military Personnel



Category (\$B)	FY19 Enacted	FY20 PB
Pay & Allowances	29.1	31.3
Medicare Eligible Retiree Health Care	1.6	1.7
Permanent Change of Station	1.1	1.1
Other Military Pay	0.1	0.1
Total	31.9	34.2

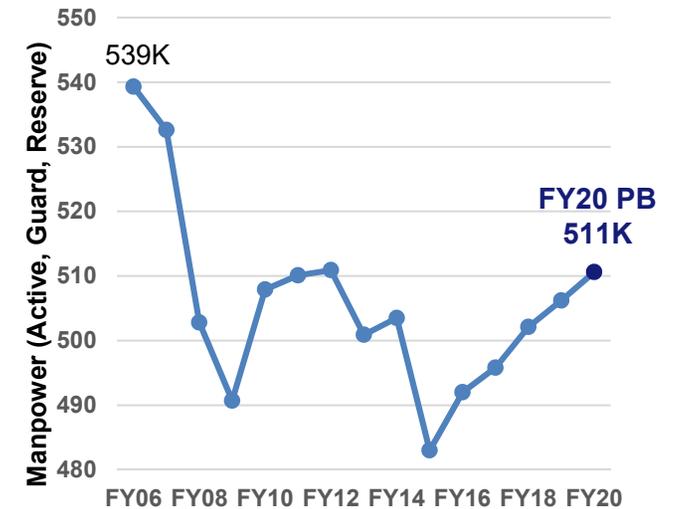
Numbers may not add due to rounding



331st Training Squadron Airmen conduct a pass in review during basic military training graduation at Joint Base San-Antonio, TX

Budget Highlights:

- Grows Total Military Force end strength by 4.4K
 - Addresses critical skill shortages in Special Warfare Airmen, Intel, Cyber, and Nuclear Defenders
 - Increases operators, maintainers and combat support Airmen
- Targets aviation and retention bonuses
- Supports 3.1% pay raise

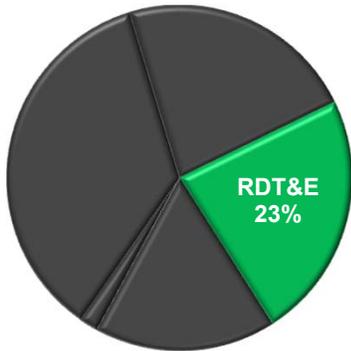


Readiness recovery is first and foremost about people



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Research Development Test & Evaluation



Category (\$B)	FY19 Enacted	FY20 PB
Operational Systems Development	12.9	14.3
Demonstration and Validation	6.6	8.4
Engineering & Manufacturing Development	5.5	6.9
Management Support	3.0	2.9
Applied Research	1.5	1.4
Advanced Technology Development	0.9	0.8
Basic Research	0.6	0.5
Total	30.9	35.4

Numbers may not add due to rounding



F-35A Lightning II test aircraft releases an AIM-120 missile at targets during live-fire tests over the Joint Gulf Range Complex

Budget Highlights:

- Increases B-21 development funding
- Continues T-X trainer development
- Develops defensible space:
 - Next-Gen Overhead Persistent Infrared sensor
 - GPS III Follow-on constellation
- Modernizes nuclear triad:
 - Long Range Standoff Weapon
 - Ground Based Strategic Deterrent
- Continues Next Generation Air Dominance efforts
- Funds Hypersonics, Directed Energy and Adaptive Engine

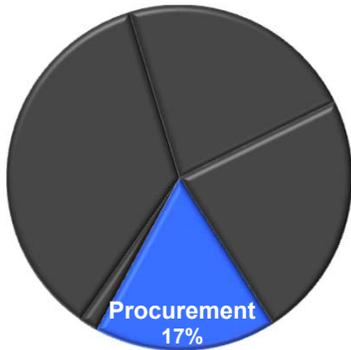
Program (\$M)	FY19 Enacted	FY20 PB
Aircraft		
B-21	2,279	3,004
F-35A Capability Develop and Delivery	504	794
Presidential Aircraft Recapitalization	658	758
Advanced Pilot Trainer (T-X)	245	348
Space		
Next-Gen Overhead Persistent Infrared	643	1,395
Nuclear		
Long Range Standoff Weapon	665	713
Ground Based Strategic Deterrent	414	570
Other		
Next Generation Air Dominance	430	1,000
Hypersonics Prototyping	509	576

Advancing technologies to defeat tomorrow's threats



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Procurement



Category (\$B)	FY19 Enacted	FY20 PB*
Aircraft	17.1	16.8
Space	2.3	2.4
Missile	1.7	2.0
Ammunition	1.5	1.7
Other Procurement	3.4	3.1
Total	26.0	25.9

Numbers may not add due to rounding
 *Includes \$1.7B OCO for Base requirements



Fire trucks perform a water-salute as the first delivered KC-46A Pegasus taxis at McConnell Air Force Base, KS

Budget Highlights:

- Sustains F-35A production with 48 aircraft
- Continues tanker recapitalization with 12 KC-46As
- Begins refresh of aging F-15C/D aircraft with new EX variant
- Upgrades Combat Search and Rescue capability with 12 HH-60Ws
- Funds multiple aircraft modifications to maintain fleet viability
- Resources four National Security Space Launches
- Funds more resilient GPS III Follow-on satellite
- Maximizes munitions production buys critical to high-end fight

Program (\$M)	FY19 Enacted	FY20 PB
Aircraft		
F-35A & Mods	*5,862	5,675
KC-46A & Mods	2,532	2,238
F-15EX	0	1,050
HH-60W CRH	660	884
Space		
National Security Space Launch	1,615	1,238
GPS III Follow-On	0	415
Munitions**		
JDAM	923	1,066
JASSM-ER	*603	504
AMRAAM	307	332
SDB I	217	282
SDB II	101	212

*Includes Congressional Adds; **Includes Base and OCO

Today's modernization is tomorrow's readiness



Major Procurement Quantities

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Program	FY18 Actual	FY19 Enacted	FY20 PB
Aircraft			
F-35A Lightning II	*56	*56	48
KC-46A Pegasus	*18	15	12
HH-60W Combat Rescue Helicopter	0	10	12
MQ-9A Reaper	16	24	12
HC/MC-130J	*14	8	8
F-15EX	0	0	8
EC-37B - Compass Call Re-Host	*1	*2	1
Space			
National Security Space Launch	2	5	4
GPS III Follow-On	0	0	1
Weapons			
Joint Direct Attack Munition (JDAM)	*35,106	36,000	37,000
Small Diameter Bomb - I	7,471	5,744	7,078
AGM-114 Hellfire	5,158	3,734	3,859
Small Diameter Bomb - II	0	510	1,175
AGM-158 JASSM-ER	360	360	430
AIM-9X Sidewinder	310	256	355
AIM-120D AMRAAM	185	187	220

Includes Base and OCO Quantities

*Includes Congressional Adds



A HH-60G Pavehawk I helicopter receives fuel from an HC-130J Combat King II aircraft during an aerial refueling mission



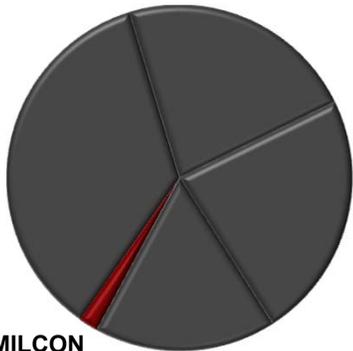
A munitions quality assurance inspector examines an ordnance shipment at Ramstein Air Base, Germany

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Military Construction, BRAC & Military Family Housing



MILCON
2%

Category (\$B)	FY19 Enacted	FY20 PB
Major Construction	1.6	2.0
Minor Construction	0.1	0.1
Planning and Design	0.2	0.2
BRAC	0.1	0.1
Military Family Housing	0.4	0.4
Total	2.3	2.7

Numbers may not add due to rounding



Construction progresses on two KC-46A Pegasus maintenance hangars at Tinker Air Force Base, OK

Budget Highlights:

- Existing mission infrastructure (\$1,137M)
 - Weapons Generation Facility, Space Operations Center, Joint Operations and Mission Planning Center, Basic Military Training Dorm, and Special Warfare Aquatic Training Facility
- Combatant Command support (\$530M)
 - Indo-Pacific operations, munitions and logistics facilities
- New mission beddowns (\$331M)
 - Ground Based Strategic Deterrent, F-35A, KC-46A, Advanced Pilot Trainer Center, and Presidential Aircraft Recapitalization Complex



An aircraft hangar was damaged after Hurricane Michael caused catastrophic damage to Tyndall AFB, FL

Infrastructure is the backbone of readiness



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Overseas Contingency Operations (OCO)

Category (\$B)	FY19 Enacted	FY20 PB
Operation and Maintenance (O&M)	9.9	9.6
Procurement	3.3	1.8
Military Personnel	1.0	1.0
MILCON	0.4	0.3
RDT&E	0.2	0.0
Subtotal	14.8	12.8
OCO For Base Requirements	0.0	29.6
Total	14.8	42.3

Numbers may not add due to rounding

Direct War Costs (\$1.8B)

- O&M – Funds combat ops, logistics, and mobility requirements
- Procurement – Buys JASSM/Hellfire/General Purpose Bombs

Enduring OCO Requirements: (\$10.9B)

- O&M – Supports six enduring locations
- Procurement – Procures nine MQ-9s
- MILCON – Builds seven European Deterrence Initiative projects

OCO For Base Requirements (\$29.6B):

- O&M – Funds Flying Hours, WSS, and Base Support
- Procurement – Procures JDAMs and other ammunition



A military working dog handler and his dog Klepa perform a perimeter check at Nigerien Air Base 201



An 83rd Expeditionary Rescue Squadron pararescueman communicates with an Army Chinook in Afghanistan

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Final Thoughts

Strategy-driven Budget

Restores Readiness and Increases Lethality

Fields Tomorrow's Air Force Faster and Smarter

Fully implementing the NDS requires predictable, requirement-driven funding



FISCAL YEAR 2020 BUDGET OVERVIEW

www.saffm.hq.af.mil/FM-Resources/budget/