

DEPARTMENT OF THE AIR FORCE **FY 2021**
BUDGET OVERVIEW



MAJ GEN JOHN PLETCHER
SAF / FMB | FEBRUARY 2020



Overview

- **Strategic Environment**
- **Budgetary Context**
- **FY21 Budget Themes**
- **Reform Efforts**
- **FY21 Budget Summary**
- **Building the U.S. Space Force**
- **FY21 by Appropriation**
- **Final Thoughts**



An unarmed Minuteman III intercontinental ballistic missile launches during an operational test at Vandenberg Air Force Base, California.



Strategic Environment

- U.S. dominance is being challenged across all domains...and our adversaries are working to develop capabilities that diminish or negate our advantages
- Calculated short-term risk mitigates unacceptable future capability gaps
- Winning a future fight will require winning in space
- In FY21, we set the course for a more lethal future force
 - Connect the Joint Force
 - Dominate Space
 - Generate Combat Power
 - Conduct Logistics Under Attack
 - Provide Ready Forces to:
 - Ensure Nuclear Deterrence
 - Defend the Homeland
 - Counter Violent Extremism
 - Develop & Care for our People/Families

This increasingly complex security environment is defined by rapid technological change and challenges from adversaries in every operating domain...there can be no complacency—we must make difficult choices and prioritize...to field a lethal, resilient, and rapidly adapting Joint Force.

- 2018 National Defense Strategy

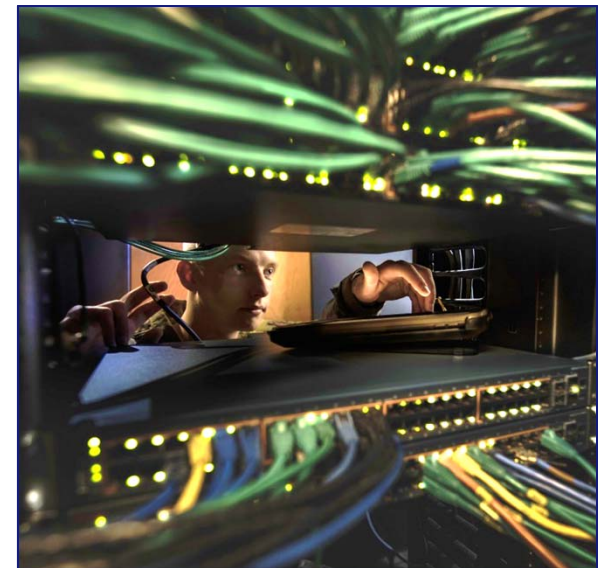


Budgetary Context

- **Bipartisan Budget Act of 2019...increased authority and predictability**

Our 4-Year Budget Story

- **FY18 - Halted declining readiness**
- **FY19 - Focused on readiness recovery**
- **FY20 - Prioritized innovation/modernization**
- **FY21 - Investing in Future Air & Space Forces**



A cyber transport systems specialist assigned to the 153rd Airlift Wing oversees server room operations at the Cheyenne Air National Guard Base, Wyoming.

- **Irreversible momentum toward NDS implementation**

The FY21 Budget reflects our current thinking about the Air and Space Forces We Need



FY21 Budget Themes

Prioritize NDS Investments

- Resource U.S. Space Force to unify DoD space activities
- Rapidly develop Next-Gen OPIR missile warning system
- Continue B-21 bomber program development
- Develop Ground Based Strategic Deterrent (GBSD)

Dominate Space, Ensure Nuclear Deterrence

Enhance Competitive Capabilities

- Procure 48 F-35As as the anchor of our fighter force
- Develop Next-Generation Air Dominance (NGAD)
- Increase investment in advanced, high-end munitions
- Prototype directed energy solutions for airbase defense

Generate Combat Power, Conduct Logistics Under Attack

Ready, Agile All Domain Joint Force

Fully Networked Command, Control, & Communication (C3)

- Expand Joint All-Domain Command & Control (JADC2) integration
- Accelerate Advanced Battle Management System (ABMS) technology experimentation
- Broaden Enterprise IT-as-a-Service (EITaaS) feasibility and scalability assessments

Connect the Joint Force

Modernize All Domain Lethality

- Procure 12 F-15EXs to ensure near-term readiness
- Develop F-22 advanced sensor capabilities
- Resource Joint Cyber C2 and Unified Platform
- Modernize A-10 fleet for continued operations

Defend the Homeland, Counter Violent Extremism

Sustain the Force & Improve Quality of Life

- Further integrate Pilot Training Next
- Expand True North program in high-tempo units
- Continue increased oversight for Military Family Housing
- Emphasize youth, morale, and education programs

Develop & Care for Our People and Their Families

Business Reforms & Zero-Based Review – Innovative Buying Power

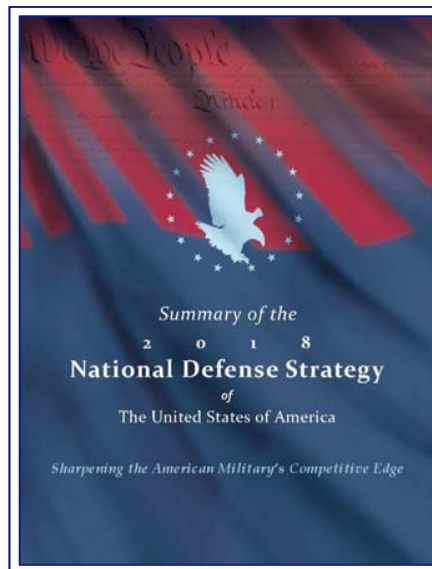


Reform Efforts

- **Zero-Based Review of all programs...redirected resources to top NDS priorities**
- **Improved efficiencies and consolidated systems...realigned \$4.1B this FYDP**
- **Prioritized audit remediation...completed second full audit in FY19**



A student with the 23rd Flying Training Squadron's Specialized Undergraduate Pilot Training - Helicopter Class 20-02 takes part in a virtual reality sortie at Fort Rucker, Alabama.

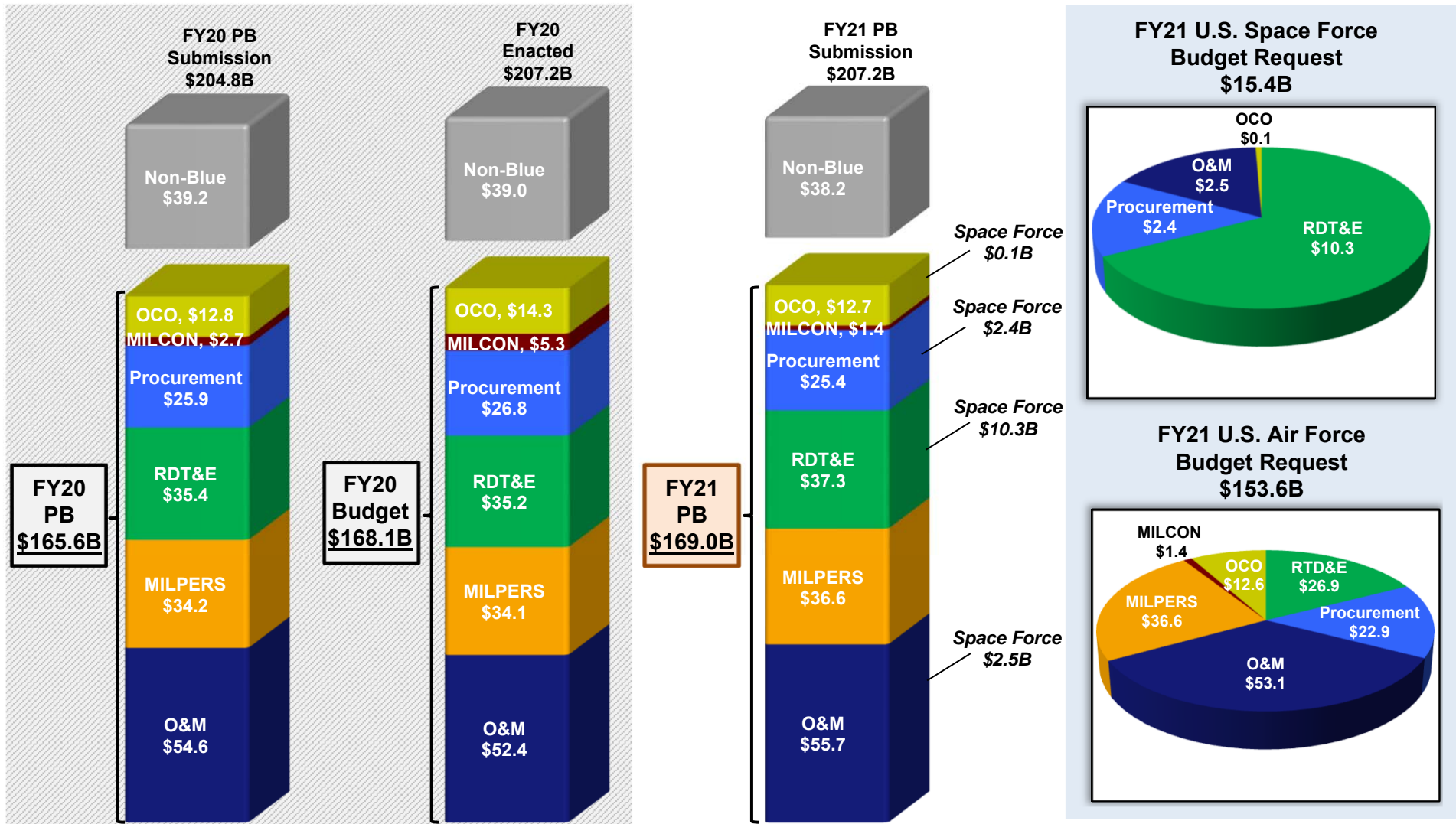


An expeditionary theater distribution center journeyman with the 386th Expeditionary Logistics Readiness Squadron inspects the shelf life of perishable items at Ali Al Salem Air Base, Kuwait.

We have a responsibility to gain full value from every taxpayer dollar spent on defense



Department of the Air Force FY21 Budget Summary



OCO includes Direct War and Enduring requirements
 FY20 Enacted includes \$3.5B in natural disaster recovery funding
 FY20 & FY21 PB requests include OCO for Base requirements (FY20 - \$27.9B; FY21 - \$8.9B)

Numbers may not add due to rounding



Building the U.S. Space Force

- December 20th, 2019...the first new branch of the Armed Forces since 1947
- Potential adversaries are developing ways to deny our use of space in conflict
- Separate and co-equal U.S. Space Force that organizes, trains, and equips to:
 - Deter aggression and defend U.S. interests from hostile acts in space
 - Ensure unfettered use of space for U.S. security, economy, and citizens
 - Integrate needed space capabilities into all COCOMs
 - Project military power in, from, and to space

- Committed to maximizing focus on space capabilities... while minimizing bureaucracy

Category (\$B)	FY20 PB ¹	FY20 Enacted ¹	FY21 PB
Operation & Maintenance (O&M)	2.2	2.2	2.5
Military Personnel (MILPERS)*	-	-	-
Research Development Test & Eval (RDT&E)	9.9	9.8	10.3
Procurement	2.4	2.4	2.4
Overseas Contingency Ops (OCO)	0.1	0.1	0.1
U.S. Space Force Total	14.6	14.5	15.4
Department Total	14.6	14.5	15.4

¹FY20 amounts in Space Force appropriations are shown for comparison only and are calculated using FY21 Air Force to Space Force transfer methodology

*FY21 Space Force positions funded in Air Force MILPERS (\$800.3M)

Numbers may not add due to rounding

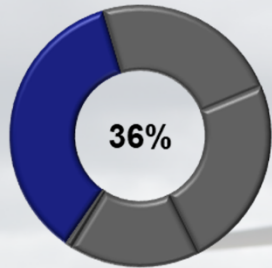
Dominate in Space...we must protect and fight from the Ultimate High Ground



Operation & Maintenance

Numbers may not add due to rounding

Percentage of Department's Base Budget Request



Category (\$B)	FY20 PB ¹	FY20 Enacted ²	FY21 PB ³
Operating Forces	44.5	42.2	44.6
Mobilization	1.3	1.3	2.0
Training & Recruiting	2.4	2.4	2.5
Administration & Service Wide	4.2	4.3	4.0
U.S. Air Force Total	52.4	50.2	53.1
O&M, U.S. Space Force	2.2	2.2	2.5
U.S. Space Force Total	2.2	2.2	2.5
Department Total	54.6	52.4	55.7

¹Includes \$27.9B in OCO for Base; FY20 Space Force shown for comparison only

²FY20 amounts in Space Force appropriations are shown for comparison only

³Includes \$8.9B OCO for Base

U.S. Space Force Highlights:

- Resources Space Ops/Sustainment
- Includes civilian billets and supports 1% pay raise
- Funds headquarters operations

U.S. Air Force Highlights:

- Funds WSS & flying hours to sustain and rebuild readiness
- Expands Enterprise IT-as-a-Service (EITaaS)
- Resources JADC2 Shadow Ops Center
- Advances integration of Pilot Training Next
- Expands Task Force True North
- Continues emphasis on family programs
- Supports 1% civilian pay raise
- Funds Facility Sustainment over 80%

Program (\$M)	FY20 PB	FY20 Enacted	FY21 PB
Weapon System Sustainment	14,847	*13,141	14,867
Mission Support	13,783	13,723	14,502
Civilian Pay	10,727	10,647	11,394
Flying Hour	6,063	5,791	6,575
Installation Support	5,048	5,110	5,189
FSRM	4,109	3,991	3,137

*Does not include \$1.5B WSS funding included in FY20 OCO appropriation

Photo: A crew chief from the 62nd Aircraft Maintenance Squadron at Joint Base Lewis-McChord, Washington, marshals a C-17 Globemaster III as it prepares to take off from March Air Reserve Base, California.

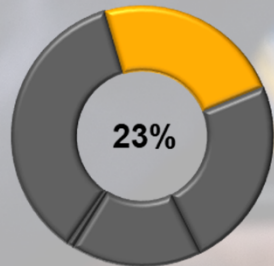
Sustains and rebuilds readiness...to deter, fight, and win



Military Personnel

Numbers may not add due to rounding

Percentage of Department's Base Budget Request



Category (\$B)	FY20 PB	FY20 Enacted	FY21 PB
Active Duty	27.7	27.7	*29.5
Air National Guard	4.3	4.3	4.8
Air Force Reserves	2.2	2.1	2.3
Department Total	34.2	34.1	36.6

*Includes \$800.3M for Space Force personnel

U.S. Space Force Highlights:

(funded in U.S. Air Force appropriation)

- Includes 6.4K military authorizations
- Supports 3.0% pay raise
- Mitigates critical shortages in space career fields

U.S. Air Force Highlights:

- Grows Total Military Force end strength by 1.5K to 512.1K
- Supports 3.0% pay raise
- Repurposes and adds manpower to:
 - Mitigate critical shortages in tanker and fighter operational squadrons
 - Support beddown of added F-35s and KC-46s
 - Grow JADC2 capabilities

Career Field	FY21 Proposed Growth		
	Active	Guard	Reserve
Aviation	68	-	43
Aircraft Maintenance	485	-	157
Cyber Operations	19	50	-
Space, Nuclear, & C2 Operations	140	83	-
Logistics	-	150	-
Security Forces	-	101	-
Combat Support	108	16	-
True North	80	-	-
Department Total	900	400	200

Photo: Defenders from the 96th Security Forces Squadron face right during a retreat ceremony at Eglin Air Force Base, Florida.

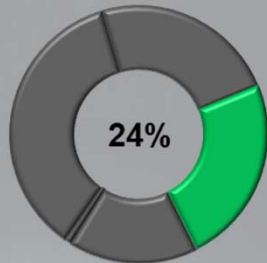
Develop and Care for Our People...they are our greatest asset



Research Development Test & Evaluation

Numbers may not add due to rounding

Percentage of Department's
Base Budget Request



Category (\$B)	FY20 PB ¹	FY20 Enacted ¹	FY21 PB
Operational Systems Development	9.5	9.4	11.0
Demonstration & Validation	7.1	6.9	7.7
Engineer & Manufacture Development	3.6	3.4	2.6
Management Support	2.7	2.6	2.9
Applied Research	1.3	1.5	1.4
Advanced Technology Development	0.8	1.0	0.8
Basic Research	0.5	0.5	0.5
U.S. Air Force Total	25.5	25.4	26.9
RDT&E, U.S. Space Force	9.9	9.8	10.3
U.S. Space Force Total	9.9	9.8	10.3
Department Total	35.4	35.2	37.3

¹FY20 amounts in Space Force appropriations are shown for comparison only

U.S. Space Force Highlights:

- Continues Next-Gen OPIR development
- Develops Next-Gen GPS Operational Control System
- Includes significant development in classified programs

U.S. Air Force Highlights:

- Invests in Advanced Battle Management System development and capability demos
- Resources ongoing Nuclear Triad modernization:
 - B-21 program
 - Ground Based Strategic Deterrent
- Continues development of Next-Generation Air Dominance
- Funds development and testing of T-7A

Program (\$M)	FY20 PB	FY20 Enacted	FY21 PB
Aircraft			
B-21	3,004	2,982	2,848
F-35A Capability Development & Delivery	706	654	793
Presidential Aircraft Recapitalization	758	758	801
T-7A	348	340	249
Space			
Next-Gen Overhead Persistent Infrared (OPIR)	1,395	1,470	2,319
Nuclear			
Ground Based Strategic Deterrent (GBSD)	570	557	1,525
Long Range Standoff (LRSO) Weapon	713	713	474
Other			
Next-Generation Air Dominance (NGAD)	1,000	905	1,044
Advanced Battle Management System (ABMS)	186	144	302
Hypersonics Prototyping	576	576	382

Photo: The X-37B Orbital Test Vehicle Mission 5 successfully lands at NASA's Kennedy Space Center Shuttle Landing Facility, Florida.

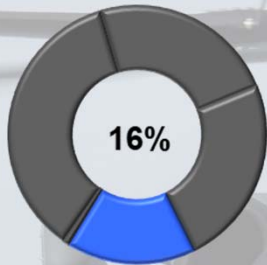
Advancing technology to overcome a contested environment



Procurement

Numbers may not add due to rounding

Percentage of Department's Base Budget Request



Category (\$B)	FY20 PB ¹	FY20 Enacted ¹	FY21 PB
Aircraft	16.8	17.7	17.9
Space	-	-	-
Missile	2.0	1.9	1.9
Ammunition	1.7	1.6	0.6
Other Procurement	3.1	3.2	2.6
U.S. Air Force Total	23.5	24.4	22.9
Procurement, U.S. Space Force	2.4	2.4	2.4
U.S. Space Force Total	2.4	2.4	2.4
Department Total	25.9	26.8	25.4

¹FY20 amounts in Space Force appropriations are shown for comparison only

U.S. Air Force Highlights:

- Funds 48 F-35A aircraft
- Procures 12 F-15EXs, replacing C models with upgraded capabilities
- Continues tanker recapitalization with 15 KC-46As
- Accelerates recapitalization of Combat Search and Rescue capability with 16 HH-60Ws
- Buys low rate initial production of MH-139s
- Maintains fleet viability with multiple aircraft modifications
- Adjusts munitions procurement based on inventory levels

U.S. Space Force Highlights:

- Procures two GPS III Follow-on satellites
- Funds three National Security Space Launch vehicles
- Integrates launch of final two Space Based Infrared System (SBIRS) satellites

Program (\$M)	FY20 PB	FY20 Enacted	FY21 PB
Aircraft			
F-35A	5,675	*6,790	5,794
KC-46A	2,238	2,139	3,068
F-15EX	1,050	621	1,403
HH-60W	884	850	1,223
MH-139	-	-	212
Space			
Nat'l Security Space Launch	1,238	1,238	1,043
GPS III Follow-On	415	395	628
Munitions			
JASSM-ER	504	484	506
AMRAAM	332	313	453
JDAM	1,066	1,034	445
SDB II	212	183	273
SDB I	222	280	104

Includes Base and OCO
*Includes Congressional adds

Photo: The first of two new test HH-60W Combat Rescue Helicopters is delivered to the 413th Flight Test Squadron located at Duke Field, Florida.

Generate Combat Power...complement existing capabilities with advanced technologies



Major Procurement Quantities

Program (Quantities)	FY19 Actual	FY20 PB	FY20 Enacted	FY21 PB
Aircraft				
F-35A Lightning II	*56	48	*62	48
KC-46A Pegasus	15	12	12	15
F-15EX	-	8	6	12
HH-60W Combat Rescue Helicopter	10	12	12	19
MH-139 Grey Wolf	-	-	-	8
MC-130J Commando II	6	8	8	4
Space				
National Security Space Launch	5	4	4	3
GPS III Follow-On	-	1	1	2
Munitions				
AGM-158 JASSM-ER	360	430	390	400
AIM-120D AMRAAM	187	220	220	414
Joint Direct Attack Munition (JDAM)	30,872	37,000	25,000	10,000
Small Diameter Bomb - II	510	1,175	1,175	1,133
Small Diameter Bomb - I	5,743	7,078	7,078	2,462
AGM-114 Hellfire	2,771	3,859	3,859	2,497
AGM-158C LRASM	15	-	-	5
AIM-9X Sidewinder	257	355	355	331

Includes Base and OCO quantities; does not include RDT&E quantities

*Includes Congressional adds

The Active Component 388th and Reserve 419th Fighter Wings conduct an F-35A Lightning II Combat Power Exercise at Hill Air Force Base, Utah, demonstrating their ability to employ a large force.



A Delta IV carrying the GPS III SV2 satellite—to become part of a 31-satellite constellation on orbit—lifts off from Space Launch Complex-37 at Cape Canaveral Air Force Station, Florida.

A weapons load crew chief conducts a weapons-load demonstration using a Guided Bomb Unit-31 fitted with a Joint Direct Attack Munition (JDAM) kit at Moody Air Force Base, Georgia.

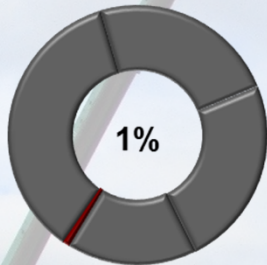




Military Construction & Family Housing

Numbers may not add due to rounding

Percentage of Department's Base Budget Request



Category (\$B)	FY20 PB	FY20 Enacted	FY21 PB
Major Construction	2.0	1.8	0.5
Minor Construction	0.1	0.1	0.1
Planning & Design	0.2	0.3	0.3
BRAC	0.1	0.1	0.1
Military Family Housing	0.4	0.4	0.4
Subtotal	2.7	2.7	1.4
Disaster Recovery	-	2.6	-
Department Total	2.7	5.3	1.4

U.S. Space Force Highlights:

(funded in U.S. Air Force appropriation)

- Completes Consolidated Space Operations Facility
- Funds new mission beddown of Space Control Facility

U.S. Air Force Highlights:

- Continues investment in new mission beddowns
 - T-7A and F-35A simulator facilities
- Funds highest-priority existing mission recapitalization
 - Basic Military Training campus
 - Weapons Storage Facility
- Fully funds Planning & Design to ensure future execution
- Funds Privatized Housing oversight

Select MILCON Projects (\$M)	FY21 PB
Beddowns	
T-7A Training Simulator Facilities	20
F-35A Simulator Facility (AF Guard)	14
F-35A Simulator Facility (AF Reserves)	12
Nuclear	
GBSD Mission Integration Facility	68
Space	
Consolidated Space Operations Facility	88
Space Control Facility	20
Existing Mission Recapitalization	
Basic Military Training Campus	36
Weapons Storage Facility	25

Photo: Construction progresses on the F-35A Lighting II Full Mission Simulator as part of the 48th Fighter Wing beddown, RAF Lakenheath, England.

We are committed to a safe, secure environment for our People



Overseas Contingency Operations

Numbers may not add due to rounding

U.S. Air Force Highlights:

Direct War Costs (\$1.8B)

- O&M – Funds combat ops, logistics, and mobility requirements
- Procurement – Replenishes JASSM-ER, JDAM, Hellfire, SDB I, and Combat Rescue Helicopters

Enduring OCO Requirements (\$10.8B)

- O&M – Supports six enduring locations
- Procurement – Procures RQ-20B Pumas, General Purpose Bombs, vehicles, and equipment
- MILCON – Funds six European Deterrence Initiative projects

OCO For Base Requirements (\$8.9B)

- O&M – Funds Weapons System Sustainment requirements

U.S. Space Force Highlights:

Enduring OCO Requirements (\$77M)

- O&M – Funds counterspace operations, Space Based Infrared System, and satellite communications

Category (\$B)	FY20 PB ¹	FY20 Enacted ¹	FY21 PB
Operation & Maintenance	9.6	*10.4	9.3
Procurement	1.8	2.3	2.0
Military Personnel	1.0	1.0	1.1
Military Construction	0.3	0.4	0.3
RDT&E	0.0	0.0	0.0
Subtotal	12.8	14.2	12.6
OCO For Base Requirements	29.6	-	8.9
U.S. Air Force Total	42.3	14.2	21.5
OCO, U.S. Space Force	0.1	0.1	0.1
U.S. Space Force Total	0.1	0.1	0.1
Department Total	42.4	14.3	21.6

¹FY20 amounts in Space Force appropriations are shown for comparison only
 *Includes \$1.5B WSS funding not included in FY20 O&M appropriation

Photo: Special Tactics Airmen with the 22nd Special Tactics Squadron observe a combat search and rescue training event at Larisoro Air Strip, Kenya.

Defend the Homeland...we remain engaged across the globe



Final Thoughts

Invests in Capability and Capacity Builds Future Air and Space Forces Wins Across Entire Spectrum of Military Operations

“Victory in future combat will depend less on individual capabilities and more on the integrated strengths of a connected battlefield network.”



Gen David Goldfein
Chief of Staff of the Air Force

Barbara Barrett
Secretary of the Air Force



“We must not only retain our technical edge over potential adversaries, but we must expand it ... [we] will continue investments in modernization and advanced capabilities to better equip our people to prevail in the high-end fight.”

“Space has become a warfighting domain... it is imperative that we train and equip forces to ensure freedom of action and deliver vital space capabilities to Joint and Coalition forces in all phases of conflict.”



Gen Jay Raymond
Chief of Space Operations

The FY21 Budget supports irreversible momentum toward NDS implementation



FISCAL YEAR 2021 BUDGET OVERVIEW

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