



DEPARTMENT OF THE AIR FORCE

# FY 2022

## BUDGET OVERVIEW



**MAJ GEN JAMES PECCIA**  
SAF/FMB | MAY 2021



# Overview

- Strategic Context
- FY22 Budget Themes
- FY22 Budget Summary
- FY22 Budget by Appropriation
- Final Thoughts



**U.S. AIR FORCE**



UNITED STATES  
SPACE FORCE



# Strategic Context

- Freedom of action in the Air and Space domains is not assured. Resource constraints, aggressive global competitors, and rapid technological development challenge these critical domains.

## Department of Defense Priorities:



- Defend the Nation
- Take Care of People
- Succeed Through Teamwork

## Air Force Core Missions (5 + 1) :



- Deliver Air Superiority
- Modernize Global Strike capabilities
- Provide Rapid Global Mobility
- Build Command & Control framework
- Continue Intelligence, Surveillance, & Reconnaissance
- Meet Foundational Responsibilities

*To fly, fight, and win... Airpower anytime, anywhere.*

## Space Force Mission Focus Areas:



- Provide Resilient Missile Warning & Missile Tracking
- Deliver Effective Protect & Defend Architecture and Command & Control
- Modernize Positioning, Navigation, & Timing
- Maintain Assured Access to Space
- Accelerate Capability Design, Decision, & Delivery
- Build out the Space Force as a Digital Service
- Strengthen Partnerships
- Develop and Care for Guardians

***FY22 budget provides capabilities central to America's position of strength***



# FY22 Budget Themes

## Interim NSS:

**Defend & Nurture Underlying Sources of American Strength**

**Promote Favorable Distribution of Power to Deter & Prevent Adversarial Threats**

**Lead & Sustain Stable & Open International System**

## SecDef Priorities:

### **Defend the Nation**

- Defeat COVID-19
- Prioritize China as the Pacing Threat
  - China Focused Investments
- Address Advanced & Persistent Threats
- Innovate & Modernize
  - Divesting of Legacy Systems
  - Nuclear Modernization
  - Advanced Weapons Systems & Key Enabling Technologies
  - Aircraft
- Tackle the Climate Crisis

### **Take Care of our People**

- Grow our Talent
- Build Resilience & Readiness
- Ensure Accountable Leadership
  - Sexual Harassment & Assault
  - Extremism in the Ranks

### **Succeed Through Teamwork**

- Join Forces with our Allies & Partners
- Work in Partnership with our Nation
  - Build Back Better
- Build Unity with the DoD

## FY22 Budget Highlights:

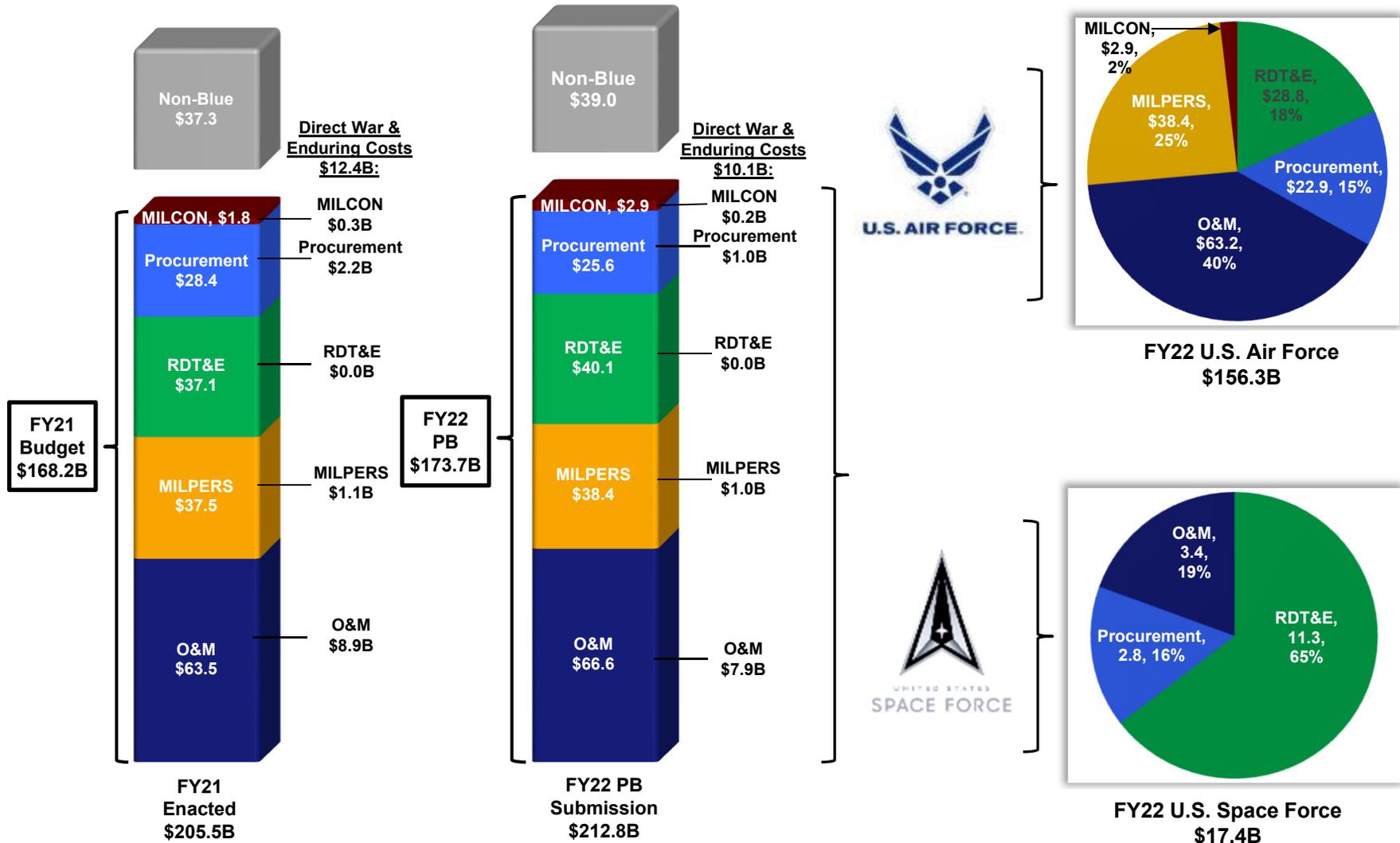
- Resources Space Force to unify DoD space activities
- Funds Space BMC2 and Protect and Defend Capabilities
- Fully funds Nuclear Enterprise (GBSD, LRSO, & NC3)
- Advances Next-Generation Air Dominance (NGAD)
- Funds Hypersonics (ARRW, SCIFiRE, & HACM)
- Increases JASSM-ER procurement quantity
- Procures 48 F-35As & modernizes anchor of fighter force
- Purchases 12 F-15EXs to ensure near-term readiness
- Develops F-22 advanced sensor capabilities
- Builds bomber fleet (modernize B-52 & develop B-21)
- Adds funding to assess alternative fuels & improve energy efficiency

- Increases FSRM funding
- Implements Diversity & Inclusion Initiatives
- Grows Airmen & Guardian Education & Training programs
- Resources Family Housing improvement projects
- Increases funding for prevention of Interpersonal Violence & Self-Harm
- Adds resources for Exceptional Family Member Program

- Modernizes Nuclear Command, Control, & Communication (NC3)
- Builds Advanced Battle Management System (ABMS) technology
- Broadens Enterprise Information Technology (EIT) feasibility & scalability
- Increases Space Warfighting Analysis Center (SWAC) capacity
- Funds planning for the National Space Intelligence Center (NSIC)
- Procures 14 Combat Rescue Helicopters (HH-60W)



# Department of the Air Force FY22 Budget Summary





# Operation & Maintenance (O&M)

Category (\$B)	FY21 Enacted	FY22 PB
Operating Forces	50.8	52.5
Mobilization	3.1	3.1
Training & Recruiting	2.5	2.8
Administration & Service Wide	4.5	4.9
<b>U.S. Air Force Total</b>	<b>60.9</b>	<b>63.2</b>
Operating Forces	2.5	3.2
Administration	0.1	0.2
<b>U.S. Space Force Total</b>	<b>2.6</b>	<b>3.4</b>
<b>Department Total</b>	<b>63.5</b>	<b>66.6</b>

Includes Direct War & Enduring Cost (OCO)

Numbers may not add due to rounding

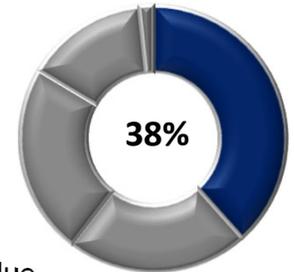
Major O&M Programs (\$B)	FY21 Enacted	FY22 PB
Weapon System Sustainment	15.4	15.4
Mission Support	16.4	17.4
Civilian Pay	11.2	12.0
Flying Hour	7.8	7.6
Installation Support	6.7	7.1
FSRM	3.3	3.7
<b>U.S. Air Force Total</b>	<b>60.9</b>	<b>63.2</b>
Weapon System Sustainment	1.4	1.4
Mission Support	1.0	1.3
Civilian Pay	0.2	0.3
Installation Support		0.1
FSRM		0.2
<b>U.S. Space Force Total</b>	<b>2.6</b>	<b>3.4</b>
<b>Department Total</b>	<b>63.5</b>	<b>66.6</b>

Includes Direct War & Enduring Cost (OCO)

Numbers may not add due to rounding

## Department of the Air Force:

- \$7.9B Direct War & Enduring Costs in FY22 baseline
- Funds 2.7% Civilian pay raise (+\$361M), 1.1% FERS increase (+\$99M), & 1% awards increase (+\$82M)
- Increases Facilities, Sustainment, Restoration & Modernization (FSRM) by \$687M, funds baseline Facilities Sustainment at 80.2% of requirement & Maintenance & Repair at 1.9% of Plant Replacement Value

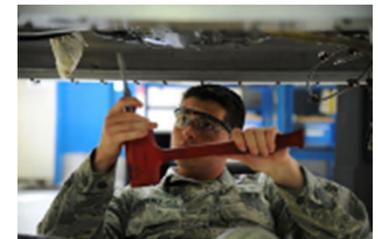


## U.S. Air Force Highlights:

- Sources WSS at \$15.4B to 83.7% of requirement
- Funds 1.2M Flying Hours to meet executable levels & maintains readiness
- Provides \$94M for Airmen Education & Training programs
- Transfers \$144M in Joint Operating Locations from Navy to Air Force
- Adds \$383M in Enterprise IT structure to improve network ops & capabilities
- Funds \$6M for new Diversity & Inclusion training and scholarship initiatives
- Grows funding by \$7.7M for prevention of interpersonal violence & self-harm
- Includes \$23M for climate assessment, energy upgrades, & electric vehicles

## U.S. Space Force Highlights:

- Increases WSS by \$68M to 79.1% of requirement
- Adds \$20M to establish the National Space Intelligence Center (NSIC) & adds \$6M to the Space Warfighting Analysis Center (SWAC)
- Provides \$143M for SATCOM transfer to Space
- Includes \$347M FSRM & facility ops support transfer
- Resources \$314M for radar & optical space domain awareness ops & data integration



**Funds Air and Space Superiority...Continues to Grow Space Force**



# Military Personnel

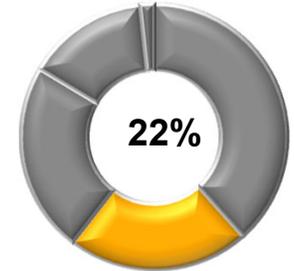
Category (\$B)	FY21 Enacted	FY22 PB
Active Duty	30.4	30.8
Air National Guard	4.8	5.1
Air Force Reserve	2.3	2.5
<b>Department Total</b>	<b>37.5</b>	<b>38.4</b>

Includes Direct War & Enduring Cost (OCO)

Numbers may not add due to rounding

## Department of the Air Force:

- \$1.0B Direct War & Enduring Costs in FY22 baseline
- Grows Total Force end strength by 3.4K to 515.3K
  - Retains 3K medical personnel to fight COVID-19
- Funds \$1.2B for PCS - approx. 132K moves
- Improves quality of life for Airmen and Guardians:
  - 2.7% pay raise (+\$573M)
  - 3.8% BAH raise (+\$221M)
  - 2.3% BAS raise (+\$56M)

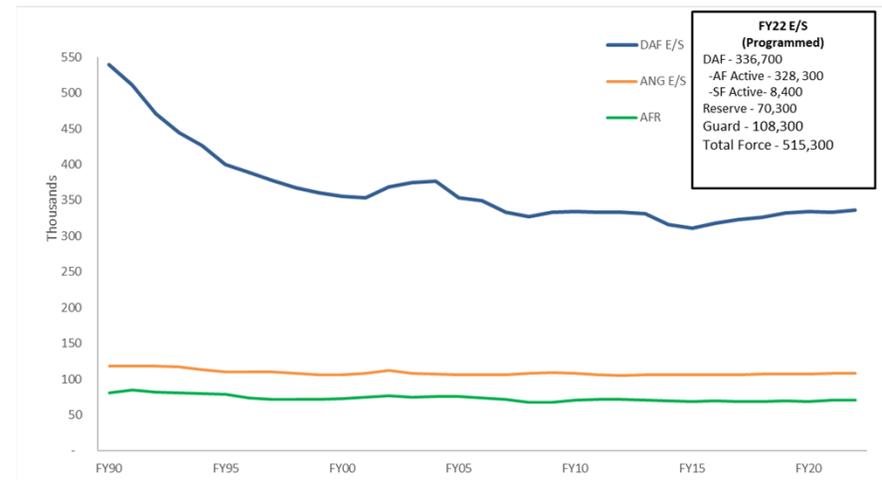


## U.S. Air Force Highlights:

- Funds \$579M in bonus retention programs for 24.3K critically skilled positions
- Adds \$14M to aviation retention programs in response to evolving airline industry hiring practices
- Increases 200 Air National Guard in logistics, security, & recruiting

## U.S. Space Force Highlights:

- Grows end strength to 8.4K military authorizations
- \$930M funded within Air Force appropriation for Guardians



**Accelerates initiatives to right size force**

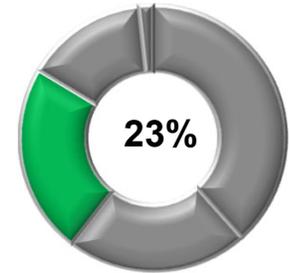


# Research Development Test & Evaluation

Category (\$B)	FY21 Enacted	FY22 PB
Operational Systems Development	10.7	11.4
Advanced Component Development & Prototypes	7.4	8.9
Management Support	2.9	3.0
System Development & Demonstration	2.4	2.6
Applied Research	1.6	1.3
Advanced Technology Development	1.0	0.7
Basic Research	0.5	0.5
Software & Digital Tech Pilot Program	0.0	0.4
<b>U.S. Air Force Total</b>	<b>26.6</b>	<b>28.8</b>
<b>U.S. Space Force Total</b>	<b>10.5</b>	<b>11.3</b>
<b>Department Total</b>	<b>37.1</b>	<b>40.1</b>

Includes Direct War & Enduring Cost (OCO)

Numbers may not add due to rounding



## U.S. Air Force Highlights:

- Funds Nuclear Enterprise:
  - Adds \$48M to NC3 portfolio
  - Adds \$1.1B to GBSD to maintain 2029 IOC timeline
  - Adds \$224M to LRSO
- Increases NGAD design efforts by \$623M
- Adds \$52M to Hypersonic weapon development (ARRW, SCIFiRE, & HACM)
- Includes \$46M to increase operational energy efficiencies & asses alternative fuels
- Increases B-21 by \$30M to prepare for initial production
- Grows B-52 by \$233M to replace engines, upgrade radar & communication systems
- Increases F-35 modernization by \$239M for TR3 upgrades & Block 4
- Adds \$46M to ABMS for info sharing across 5th Gen TACAIR & C2 nodes

Major RDT&E Programs (\$M)	FY21 Enacted	FY22 PB*
<b>Aircraft</b>		
B-21	2,843	2,873
F-35A	816	1,055
B-52	483	716
Presidential Aircraft Recapitalization	799	681
<b>Nuclear</b>		
Ground Based Strategic Deterrent (GBSD)	1,447	2,554
Long Range Standoff (LRSO) Weapon	385	609
Nuclear Command, Control, & Communication (NC3)	388	436
<b>Other</b>		
Next-Generation Air Dominance (NGAD)	902	1,525
Hypersonics Prototyping	386	438
Advanced Battle Management System (ABMS)	158	204



**Quickens technological advances to ensure superiority for a complex fight**



# Research Development Test & Evaluation (Cont.)

Category (\$B)	FY21 Enacted	FY22 PB
Operational Systems Development	4.8	5.6
System Development & Demonstration	3.7	3.3
Advanced Component Development & Prototypes	1.4	1.6
Management Support	0.3	0.4
Applied Research	0.2	0.2
Software & Digital Tech Pilot Program	0.1	0.2
Advanced Technology Development	0.0	0.1
<b>U.S. Space Force Total</b>	<b>10.5</b>	<b>11.3</b>
<b>U.S. Air Force Total</b>	<b>26.6</b>	<b>28.8</b>
<b>Department Total</b>	<b>37.1</b>	<b>40.1</b>

Numbers may not add due to rounding

Major RDT&E Programs (\$M)	FY21 Enacted	FY22 PB
<b>Space</b>		
Next-Gen Overhead Persistent Infrared (OPIR)	2,319	2,451
Military GPS User Equipment (MGUE)	381	434
Protected Tactical SATCOM (PTS)	200	243
Enterprise Ground Services (EGS)	117	192
Deep Space Advanced Radar Capability (DARC)	33	123
Space Domain Awareness (SDA) Ops	107	121



## U.S. Space Force Highlights:

- Adds \$132M for development of Next-Gen OPIR missile warning system
- Increases DARC by \$90M for development & build of ground-based all-weather tracking radar
- Adds \$43M to Protected Tactical SATCOM for increased resilience & capacity
- Grows EGS by \$75M to provide cyber-secure tactical Command & Control services
- Increases MGUE by \$53M to design next-gen integrated circuits for secure & accurate positioning/navigation/timing
- Funds additional \$37M to increase analytic capacity of Space Warfighting Analysis Center (SWAC)
- Adds \$14M to upgrade legacy ground-based optical & radar systems; modernizes space domain awareness data & transport
- Grows classified programs & increases funding \$5M to deliver operational-level C2 capabilities for theater support & protect-and-defense missions

*Innovates to secure an enduring advantage*



# Procurement

Category Programs (\$B)	FY21 Enacted	FY22 PB
Aircraft	20.0	15.7
Missile	1.9	2.1
Ammunition	1.3	0.8
Other Procurement	2.9	4.3
<b>U.S. Air Force Total</b>	<b>26.1</b>	<b>22.9</b>
Procurement, U.S. Space Force	2.3	2.8
<b>U.S. Space Force Total</b>	<b>2.3</b>	<b>2.8</b>
<b>Department Total</b>	<b>28.4</b>	<b>25.6</b>

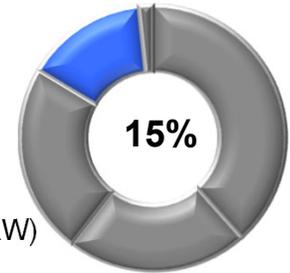
Includes Direct War & Enduring Cost (OCO) Numbers may not add due to rounding

Major Procurement Programs (\$M)	FY21 Enacted	FY22 PB
<b>Aircraft</b>		
F-35A	6,822	5,095
KC-46A	2,864	2,604
F-15EX	1,367	1,335
HH-60W	1,160	930
F-22	528	468
<b>Munitions</b>		
JASSM-ER	500	711
SDB II	210	295
AMRAAM	316	218
ARRW		161
JDAM	460	124
SDB I	104	91
<b>Space</b>		
Nat'l Security Space Launch	996	1,337
GPS III Follow-On	618	686

Includes Direct War & Enduring Cost (OCO)

## U.S. Air Force Highlights:

- \$1.0B Direct War & Enduring Costs in FY22 baseline
- Increases JASSM-ER by \$211M to ramp up to maximum production capacity
- Adds \$161M for initial production of hypersonic weapon (ARRW)
- Funds 48 F-35As to build 5th-Gen fighter fleet
- Continues future tanker production & fielding with 14 KC-46s
- Procures 12 F-15EXs implementing open systems architecture and replacing end of service life C/D models
- Continues Combat Search & Rescue recapitalization with 14 HH-60Ws
- Procures 3 MC-130Js completing recapitalization of legacy special mission fleet
- Funds F-22 program to \$468M for advanced sensor capabilities



## U.S. Space Force Highlights:

- Adds \$341M to procure 5 National Security Space Launch Vehicles
- Procures 2 GPS III Follow-on Space Vehicles & increases technical support by \$64M to provide enhanced on-orbit management

**Strengthens Joint interoperability and increases lethality**



# Major Procurement Quantities

Program (Quantities)	FY21 Enacted	FY22 PB
<b>Aircraft</b>		
F-35A Lightning II	60	48
HH-60W Combat Rescue Helicopter	19	14
KC-46A Pegasus 	15	14
F-15EX	12	12
MC-130J Commando II	4	3
<b>Munitions</b>		
Joint Direct Attack Munition (JDAM)	16,800	1,919
AGM-114 Hellfire	4,517	1,176
Small Diameter Bomb - I	2,462	998
Small Diameter Bomb - II 	743	985
AGM-158 JASSM-ER	400	525
AIM-9X Sidewinder	331	243
AIM-120D AMRAAM	268	168
ARRW		12
<b>Space</b>		
National Security Space Launch 	3	5
GPS III Follow-On	2	2

Includes Direct War & Enduring Cost (OCO)





# Military Construction & Family Housing

Category (\$B)	FY21 Enacted	FY22 PB
Major Construction	0.8	2.0
Minor Construction	0.1	0.1
Planning & Design	0.3	0.3
BRAC	0.2	0.1
Military Family Housing	0.4	0.4
<b>Department Total</b>	<b>1.8</b>	<b>2.9</b>

Includes Direct War & Enduring Cost (OCO)

Numbers may not add due to rounding

USAF Component (\$M)	FY21 Enacted	FY22 PB
Active (Includes MFH)	1,628	2,648
Guard	94	198
Reserve	48	78
<b>Total</b>	<b>1,770</b>	<b>2,924</b>

Includes Direct War & Enduring Cost (OCO)

Numbers may not add due to rounding

Beddown Projects (\$M)	FY22 PB
<b>Beddowns</b>	
B-21 (AF) - 6 projects	333
KC-46 (AF) - 1 project	160
F-35A (AF) - 4 projects	129
F-35A (ANG) - 1 projects	31
F-16 (ANG) - 2 projects	20
C-130 (ANG) - 1 project	11
<b>Nuclear</b>	
GBSD (AF) - 3 projects	98

## U.S. Air Force Highlights:

- Resources \$162M Enduring Cost, includes 4 projects for European Deterrence Initiative
- Funds 56 major construction projects
  - Resources 18 weapon system bed-down projects
  - Adds \$572M for Indo-Pacific, includes 13 projects
- Resources \$105M in Military Family Housing projects:
  - Construction improvement project at Yokota AB, Japan (\$49M)
  - Military Housing Privatization Initiative Restructures at Offutt AFB (\$50M) & Warner Robins AFB (\$6M)
- Funds \$172M for 2 Basic Military Training Recruit Dormitory Complexes



**Prioritizes health & safety...Builds resilient facilities & infrastructure**



# Direct War & Enduring Highlights

Category (\$B)	FY21 Enacted	FY22 PB
Operation & Maintenance	8.8	7.9
Procurement	2.2	1.0
Military Personnel	1.1	1.0
Military Construction	0.3	0.2
RDT&E	0.0	0.0
<b>U.S. Air Force Total</b>	<b>12.3</b>	<b>10.1</b>
Operation & Maintenance	0.1	0.1
<b>U.S. Space Force Total</b>	<b>0.1</b>	<b>0.1</b>
<b>Department Total</b>	<b>12.4</b>	<b>10.1</b>

Numbers included in previous appropriation charts

Numbers may not add due to rounding

## U.S. Air Force Highlights:

### Direct War (\$1.1B)

- O&M – Funds combat ops, logistics, mobility, & retrograde efforts in line with evolving posture & troop level requirements
- Procurement – 1 combat-loss C-130J Aircraft, 1 E-11 BACN System, Joint Direct Attack Munitions, Small Diameter Bombs, Joint Air Surface Standoff Missiles, Hellfires, WRM Ammunition
- RDT&E – Funds DCGS, AF Tactical Exploitation of National Capabilities Program (TENCAP)

### Enduring Costs (\$9.0B)

- O&M – Sustains multiple enduring locations and funds WSS & Flying Hour Program requirements
- Procurement – Vehicles & equipment; munitions to include General Purpose bombs, cartridges, flares, and fuzes
- MILCON – \$162M includes 4 European Deterrence Initiative projects

## U.S. Space Force Highlights:

### Enduring Costs (\$76M)

- O&M – Funds deployed operations of space electronic warfare, theater missile warning to deployed forces, and protected tactical satellite communications



**Protects and defends America and its Allies**



# *Final Thoughts*

## **Invests in People and Capability**

## **Builds Future Air and Space Forces**

## **Delivers Joint Lethality and Effectiveness**

*“The Air Force must accelerate change to do what America expects and requires: control and exploit the air domain and underwrite our national security through nuclear deterrence.”*



**Gen Charles Brown**  
Chief of Staff of the Air Force

**Honorable John Roth**  
Acting Secretary of the Air Force



*“We as an enterprise need to continue our momentum...We’re here to defend the country. We’re here to represent U.S. interests. We’re locked and loaded, and ready to go.”*

*“We are forging a warfighting Service that is always above. Our purpose is to promote security, assure allies and partners, and deter aggressors by demonstrating the capability to deny their objectives and impose cost upon them”*



**Gen Jay Raymond**  
Chief of Space Operations

***FY22 budget takes bold action to strengthen our enduring advantages***



**FISCAL YEAR 2022 BUDGET OVERVIEW**  
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