



27th Special Operations Wing



Cannon AFB Mission Brief



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27 SOW Commander
10 August 2022

This Briefing is:
UNCLASSIFIED



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AIM

MISSION

To fly, fight, and win - **specialized** airpower
any time, any place, anywhere

VISION

A Better Cannon - Powered by Airmen, Fueled by Innovation,
Strengthened by Community

PRIORITIES

AIRMEN: Develop and unleash the power of
our human capital

INSTALLATION: Enhance mission focus by improving
the Cannon experience and quality of life

MISSION: Provide a combat capable force that is
ready today and relevant tomorrow

"ACCELERATE CHANGE OR LOSE"



Installation Overview & Mission Capabilities



Cannon AFB Investment Overview



ON-BASE INVESTMENT / EXPANSION SINCE 2007:

- COMPLETED / AWARDED MILCON: \$730M – DORMS, MED CLINIC, DINING FACILITIES, SUPPORT/MISSION FACILITIES
- PROGRAMMED MILCON: \$197M – INCLUDES CV-22 HANGAR, 192-PERSON DORM, DPC, PDC, & MAFR LANDING STRIP
- CTO/FSRM: \$158M – O&M FUNDED FACILITY SUSTAINMENT, REPAIR/RENOVATION AND MAINTENANCE
- HOUSING: \$450M – 1000+ NEWLY CONSTRUCTED/RENOVATED PRIVATIZED HOUSING UNITS UNDER 50-YEAR LEASE



Cannon AFB Investment Overview

\$1.6 BILLION INVESTMENT IN CANNON AFB

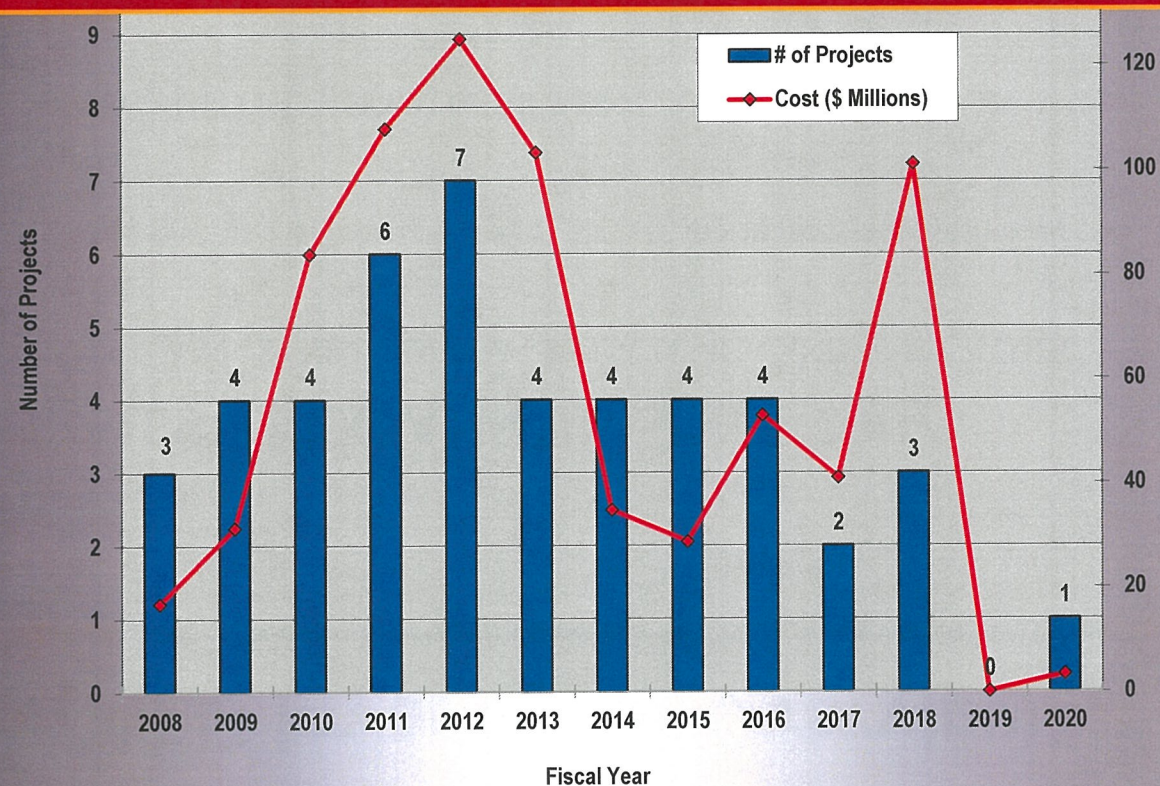
MILITARY CONSTRUCTION

2 ACTIVE
PROJECTS

\$60M

6 PROJECTS
IN DESIGN

\$57M





Cannon AFB Force Overview



- **MQ-9B Reaper**
ISR/Strike



- **U-28A Draco**
ISR



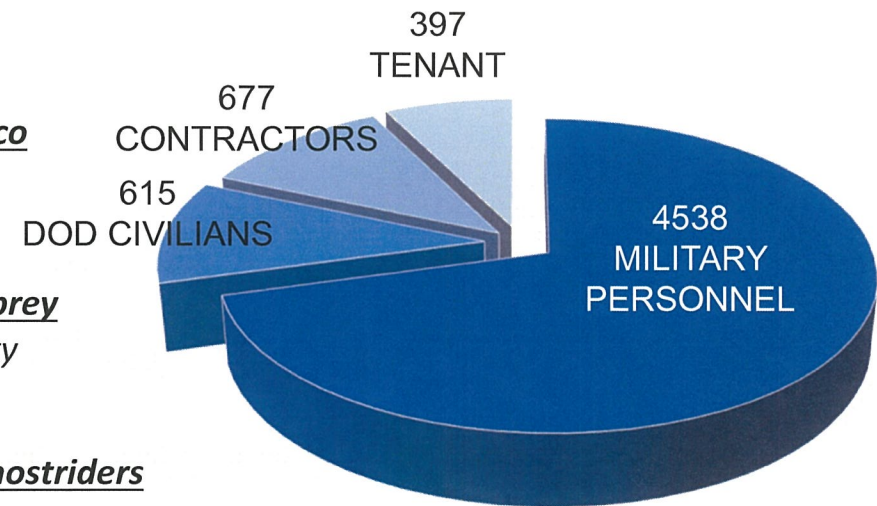
- **CV-22B Osprey**
SOF Mobility



- **AC-130J Ghostriders**
Strike



- **MC-130J Commando II**
SOF Mobility

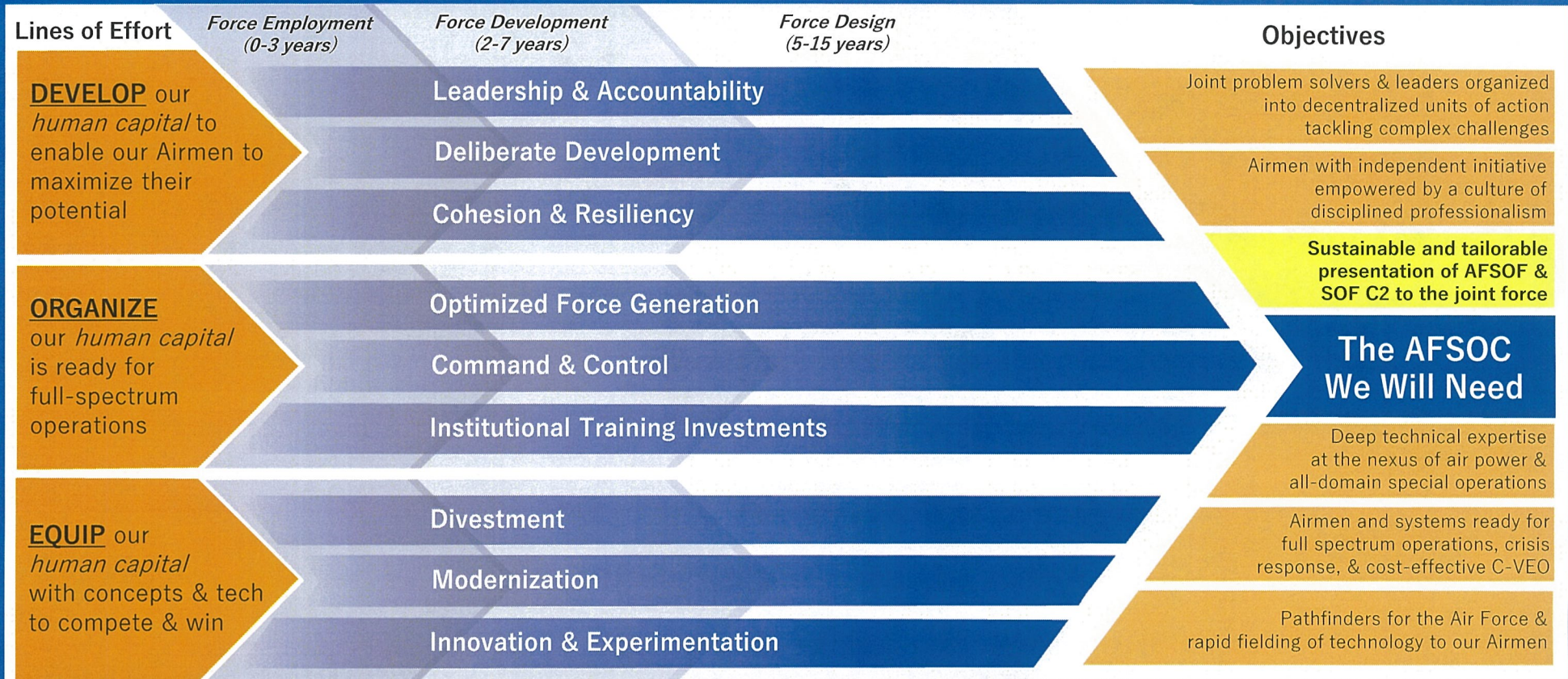


TOTAL:
6,227



AFSOC Strategic Guidance, Sustainable Force Generation & Force Realignment

AIR FORCE SPECIAL OPERATIONS COMMAND | STRATEGIC GUIDANCE



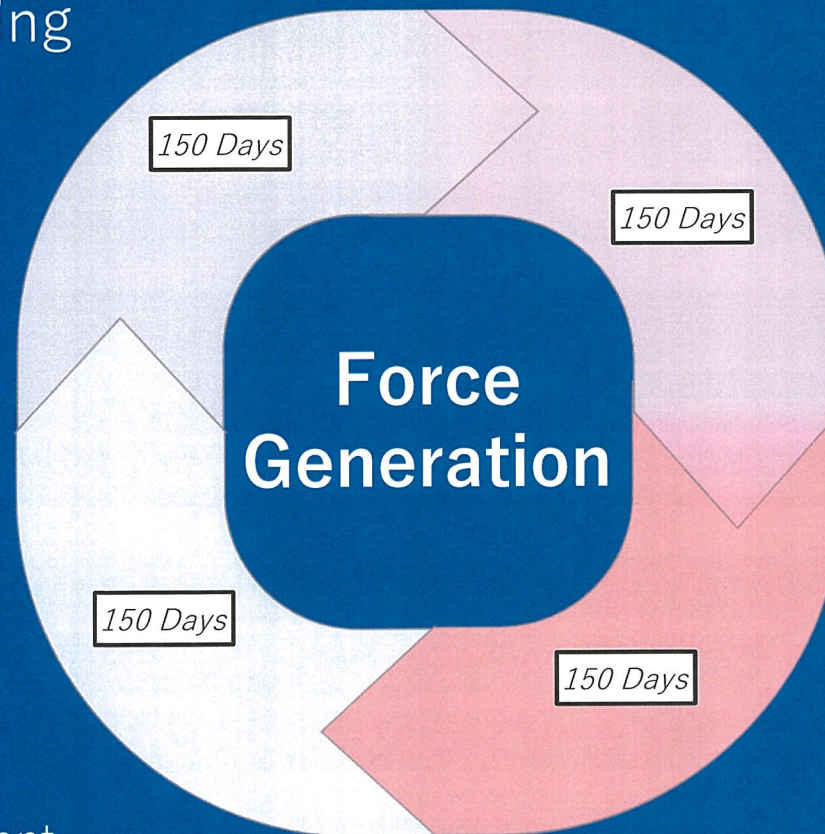
A force of ready, relevant, & resilient Airmen conducting all-domain special operations across the spectrum of conflict

Reconstitution & Individual Training

- Resiliency
- PME
- Upgrades

Committed

- Deployed
- Experimentation
- Theater Engagement
- Ready Reserve



Unit Training

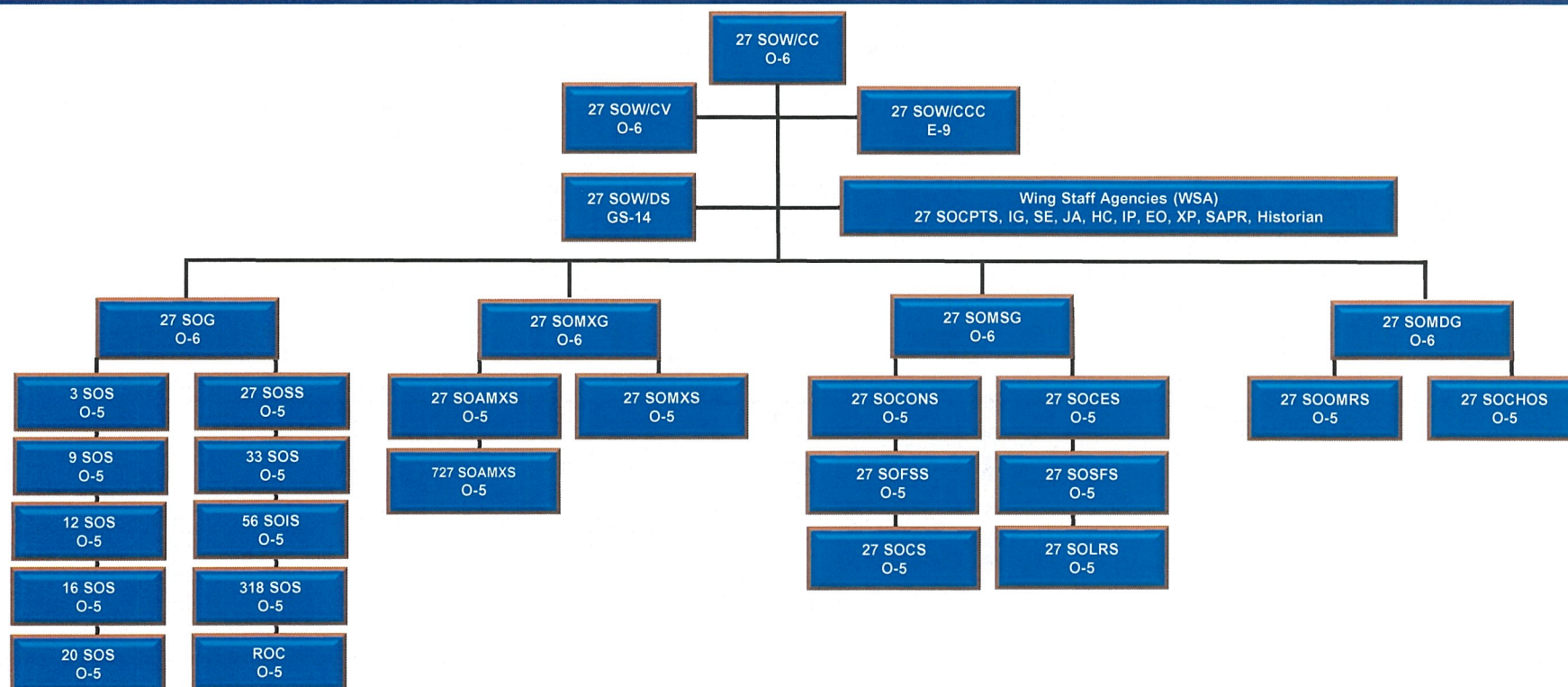
- Tactical Proficiency
- USAF Integration
- Interoperability

Joint & Collective Training

- Verification Exercises
- Mission Rehearsal
- SOF Integration

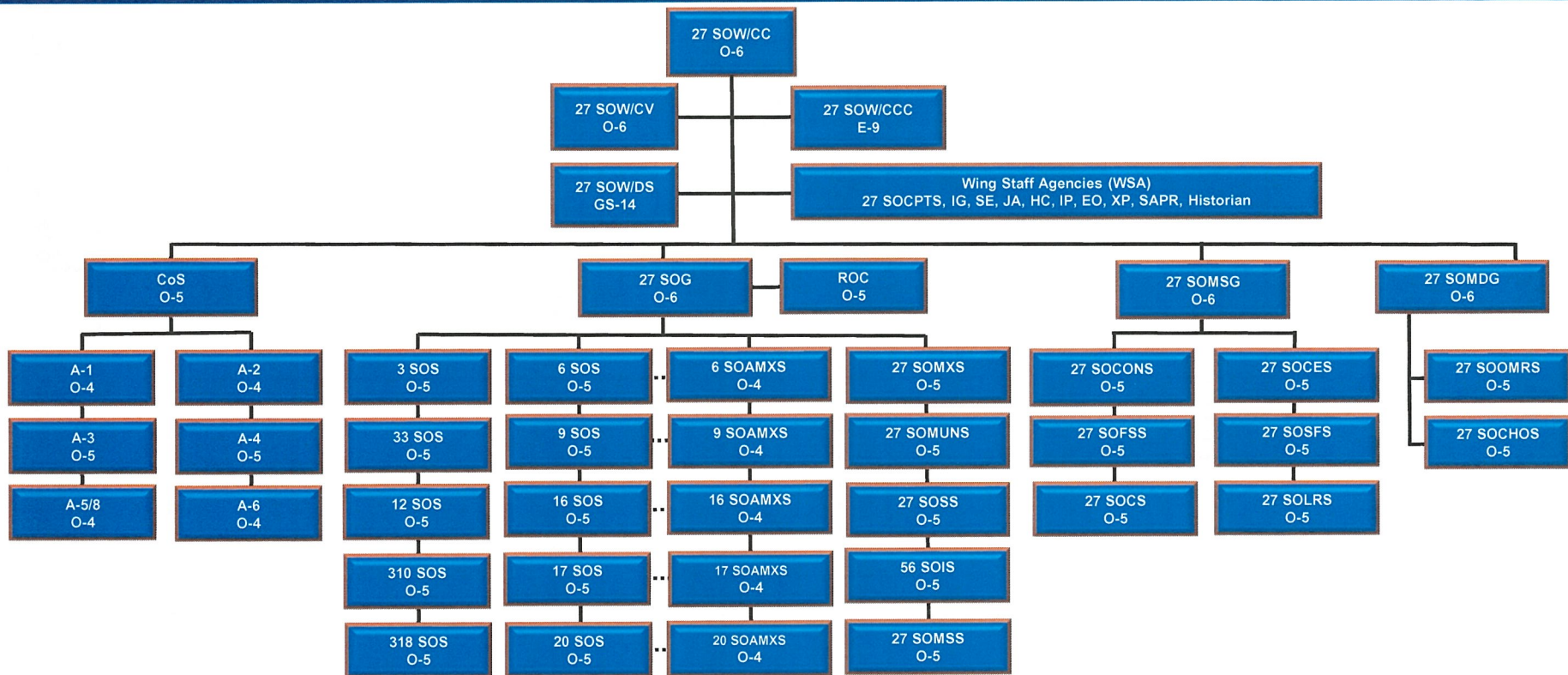


27 SOW Organizational Chart (Legacy)





27 SOW Organizational Chart (Proposed)



Transitions Wing from 4 Grps/23 Sqdns to A-Staff + 3 Grps/30 Sqdns – aligning all SOG squadrons into FORGEN cycle



Five & Thrive Sustainability Challenges

- 1. Safe & Affordable Housing:** Supply Mismatch (lacking apartment accommodations) ●
- 2. Education:** Academic Measures ● Absenteeism; Grad/Susp Rates ● Counselor/MH Support ●
- 3. Childcare:** Off-Base Access ● On-Base Access (staffing shortfalls) ● Pre-K Availability ●
- 4. Medical Care:** Local Specialty Medical Care ● Exceptional Family Member Travel ●
- 5. Spouse Employment:** Professional Licensure Portability ● Remote Employment ●



Access to Safe & Affordable Housing



Issues / Concerns

- Insufficient **single occupancy** housing for unaccompanied Airmen coming out of the Dorms
- Only alternative is to group with roommates to **share costs** and secure a **single family house**
- More than **80%** of **single Airmen** report wanting single accommodations but being **forced into multi-roommate situation because supply does not exist**

Criteria

Green: Adequate supply of safe and **individually** affordable housing available for junior Airmen

Yellow: Available in adequate supply, but requires junior Airmen to **pool together** to achieve affordability

Red: **Inadequate supply** of housing for junior Airmen even when pooling together

Current Assessment: **Yellow**

Survey Data

- If you live off base, do you
 - **49%**...live with family members
 - **7%**...live **alone** without family members
 - **44%**...live **with roommates**
- If you live off base with roommates, do you...
 - **15%**...do so because you **prefer roommates**
 - **85%**...do so because it's the **only affordable option**
- If you are on-base, but transitioning off-base, do you...
 - **18%**...**prefer** to live with **roommates**
 - **82%**...**prefer single accommodations**, if available

Solutions

- **Problem:** Local construction focused on building more single family housing because of perceived market demand
 - Perception is driven by single Airmen pooling together to rent/buy single family homes
 - Actual demand is not for additional family housing, but for single Airmen accommodations (i.e. large apartment complexes)
- **Solution:** **Incentivize local developers** to **shift** from building add'l family housing to building **economical multi-unit apartments**
- **Solution:** USAF building add'l **192-bed Dormitory** in FY-23/24



Access to Quality Education



Issues / Concerns

- New Mexico schools are consistently **ranked** in the **bottom 5** across all 50 states
- Clovis Municipal Schools (CMS) are consistently **near** the **bottom** of all NM school districts in **per capita funding**
- 2017 NM PED school grades (last year metric was available) showed all **CMS middle schools** graded **"D"** or **"F"**
- USAF Support of Military Families assessments have CAFB surrounding school districts in **bottom third** of all bases

Partnerships / Initiatives

- Clovis Municipal Schools (CMS)
 - National Math & Science Initiative (2018-present)
 - UVA Middle School Turnaround Program (2018-2021)
 - Test Proctor Airman Volunteer Program (400 hours)
- New Mexico Public Education Department (NM PED)
 - *Federal Impact Aid Distribution / *Military Student Identifier
 - *Purple Star Schools / *Open Enrollment Flexibility
- CAFB/PED/CMS – 3-time national-level Military Child Education Coalition (MCEC) Partnership Award Winner (2019, 2021, 2022)

Support of Military Families – 2021

Cannon Air Force Base, New Mexico

Public Education *

Key: ■ ≤ 33.3% < ■ < 66.7% ≤ ■ (Percentile)

Comparison of all 157 Air Force Installations



Data Source	Most Recent Survey Time Period Utilized	Date Last Updated
Department of Education - Civil Rights Data Collection District and School Data	SY 2017-2018	October 2020
Department of Education - EDfacts Graduation Rates (District Level and School Level)	SY 2018-2019	November 2020
Department of Education - National Center for Education Statistics Common Core of Data Public Elementary / Secondary School Universe Survey Data	SY 2019-2020	March 2021
Department of Education - National Center for Education Statistics Common Core of Data (School Search)	SY 2018-19 School Details and Enrollment Characteristics SY 2019-20 School Directory Information	April 2020 July 2020
Center for Education Policy Analysis: Stanford Education Data Archive (SEDA)	SY 2008-2009 through SY2017-2018	February 2021

* Public Education is compiled using 60% Academic Performance, 20% School Climate, and 20% Service Offering.

Academic Performance Criteria

Graduation Rate

Student Learning Rate

School Climate Criteria

Chronic Absenteeism Rate

Suspension Rate

Service Offering Criteria

Pre-Kindergarten Availability

Student to Counselor Ratio

Student to Mental Health Support Ratio

Student to Nurse Ratio

Student to Teacher Ratio



Access to Childcare



Issues / Concerns

- Access to Pre-K (#1 Issue prior to 2019)

Support of Military Families – 2021

Cannon Air Force Base, New Mexico

Pre-Kindergarten Availability



- Post-Covid, #1 issue is staff availability (on-base programs)

Capacity

- Cannon AFB Child Development Center
 - 2 Facilities Physical Capacity = 306 **Staff Capacity = 210 (68%)**
- Cannon AFB School Aged Program
 - 1 Facility Physical Capacity = 150 **Staff Capacity = 96 (64%)**
- Family Daycare (base housing providers)
 - 0 Households (historically, 5-8) Capacity = 0
- Off-Base Daycare Capacity (Clovis) = 1,150 + Pre-K
- Off-Base Daycare Capacity (Portales) = 305 + Pre-K

Partnerships / Initiatives

- New Mexico instituted Pre-K in 2005
 - Limited programs, not universally available
 - 4-year-olds only
- In 2019 New Mexico significantly expanded Pre-K
 - Now includes **3- & 4-year-olds**
 - **Half-day & Full-day** programming available
- CAFB w/ AFIMSC, constructed new on-base childcare facilities
 - 2011 MILCON Child Development Center (6 weeks – 5 year-olds)
 - 2017 MILCON School-Aged Program (6-12 year-olds)

Solutions

- Looking at options to recruit / hire childcare staff
 - Competitive wages – starting at \$16.70/Hr
 - Must be 18 years old (17, if a military dependent)
 - Must be able to pass background check
 - **Other incentives (hiring bonus, wage subsidies, etc.)**
- Expansion of off-base Pre-K helping to off-set on-base capacity limits
 - Absent New Mexico's expanded Pre-K, our current capacity limits would have had much more serious mission impacts



Access to Specialty Medical Care



Issues / Concerns

- Specialty care within 100mi is very limited
- 27 SOMDG is an out-patient, ambulatory medicine clinic
- Lack of access to specialty medical care has multiple impacts to mission and readiness:
 - **CAFB loses 4 in 10** inbound special needs families due to lack of locally available specialty care
 - Travel reimbursements are over **\$500K** annually (only 50% claim)
 - Intensive Mental/Behavioral Health treatment may require travel up to **8 hours** from the base (TX/CO/AZ)

Top 10 Referral Conditions (Yearly Avg.)

- | | |
|-----------------------------|-----------------------------|
| 1. Physical Therapy (1,200) | 6. Cardiology (430) |
| 2. Urgent Care (850) | 7. Ear, Nose & Throat (385) |
| 3. Orthopedics (575) | 8. Durable Med Equip (365) |
| 4. Dermatology (570) | 9. Podiatry (335) |
| 5. Radiology (530) | 10. Gastroenterology (315) |

Partnerships / Initiatives

- PRMC / RGH actively recruiting more key medical specialties into the local area
 - Orthopedics
 - Urology
 - ENT
- 4-county regional initiative to secure a 96-bed in-patient mental/behavioral health facility
 - Located in Clovis
 - Requirement validated; Requires **\$35M in funding**

Other Solutions

- Expanding Tele-medicine and/or rotating provider options w/in DoD/USAF network
 - Local network Tele-med **options limited** by proximity to **NM/TX state line**
- Working with DoD, USAF & Defense Health Agency (DHA) for rural community **manpower variance** to allow additional specialty providers to be assigned to CAFB



Spouse Employment Opportunities & Professional License Portability



Issues / Concerns

- Multiple re-assignments over an Active Duty member's career can limit the career development of their spouses
 - Additional difficulty / impact if in a licensed career field
- Rural environment of Eastern NM = limited job opportunities
 - Especially in highly technical (science/engineering) career fields
- Recently enacted state legislation has not yet been fully implemented by agencies and departments throughout state

Partnerships / Initiatives

- NM Executive & Legislative actions
 - 2018 – Executive Order on professional license reciprocity for dependents of active duty military
 - 2019 – Legislature passed initial bill to codify professional license reciprocity into state law
 - 2020 – Legislature revisited law to address additional professions omitted from initial bill
- Remote work centers (facilitates spouses retaining jobs despite PCS)
- Clovis LEDA initiative
 - Economic Development = Business Growth = Job Opportunities

Support of Military Families – 2021

Cannon Air Force Base, New Mexico

	2019	2021
Accounting		
Cosmetology		
EMS		
Engineering		
Law		
Nursing		
Physical Therapy		
Psychology		
Teaching		

Solutions

- Further streamline professional license reciprocity processes
 - State agencies have not fully caught up with new laws (bureaucracy)
- Licensure waiver for Military & Family Life Counselor Providers
- Expand remote work centers (this is the future)
 - Dedicated workspace for employees working for non-local companies
- Expand economic development/growth across Eastern NM
 - Retail expansion satisfies both quality of life wants & employment needs



PFAS Remediation & Water REPI Update



PFAS Update: Remedial Investigation (RI)

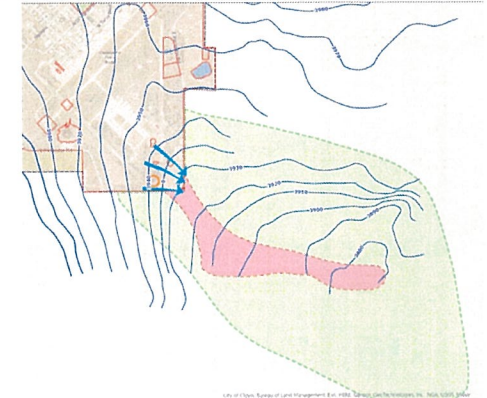
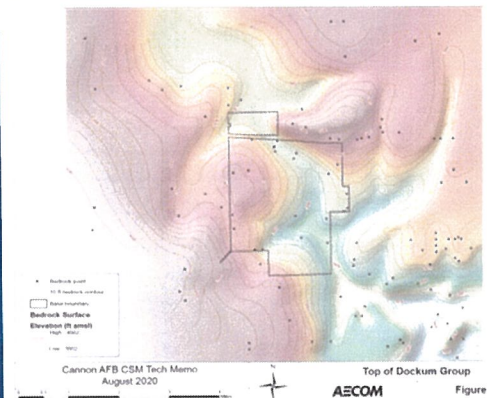


Status

- RI contract awarded 28 Aug 2020 to determine nature & extent of environmental impact
 - Adds new groundwater monitoring wells
 - Conducts soil borings
 - Collects surface soil samples
 - Suction lysimeters installed
- RI work plan completed – 1 Sep 2021
- RI field work in progress – ECD Feb 2024
- RI completed – ECD Aug 2025

Sampling to Date

- Soil samples:
 - 65 On-Base samples collected
 - 34 Off-Base samples collected
- Groundwater samples:
 - 19 On-Base samples collected
 - 34 Off-Base samples collected
- Installation of 13 new monitoring wells on base
 - 6 installed
 - 1 in progress



Sampling Results to Date

- On-Base Groundwater samples
 - **PFOS: 81 - 29,700 ppt**
 - **PFOA: 120 - 1700 ppt**
 - PFBS: No exceedances
- Off-Base Groundwater samples
 - **PFOS: 130 - 1,900 ppt**
 - **PFOA: 83 - 730 ppt**
 - PFBS: No exceedances



PFAS Update: Engineering Evaluation/Cost Analysis (EE/CA) Pilot Study

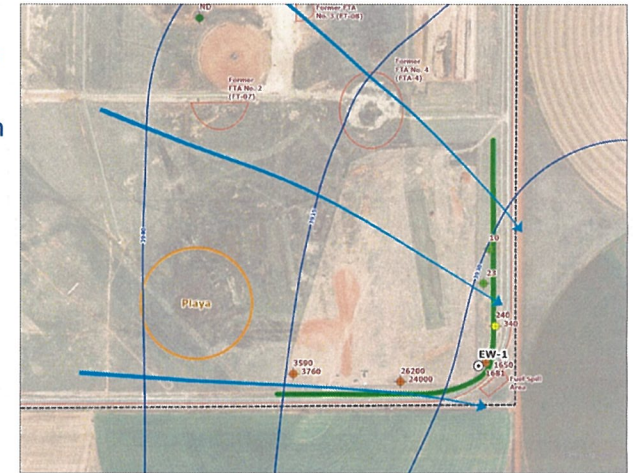


Status

- Award completed - 27 May 2021
- Initial Site Visit completed - 2 Jun 2021
- Kick-Off Meeting completed - 8 Jun 2021
- Sampling Event completed - 14 Jun 2021
- Treatability Study completed - Dec 2021
- Aquifer Test completed - Dec 2021
- Design/Work Plan in progress - Mar 2022
- ***Draft-Final Design (30-day NMED/EPA comment period)***
- Construction Start - TBD
- Operation Start - TBD
- EE/CA Final - Jan 2024 (30-day NMED/EPA comment period)

Scope

- Pilot study will design and build a PFAS remediation system consisting of:
 - Extraction Wells
 - Filtration System
 - Injection Wells
- Intent is to filter/clean groundwater (pump & treat) to a non-detect level and then reinject back into the Aquifer
 - Initial pump & treat testing (small scale) did successfully filter all PFAS constituents to a non-detect level





Readiness & Environmental Protection Integration (REPI) Water Conservation Initiative



Program Scope

- REPI program designed to protect access to **training space & resources** to **protect military mission** (50/50 cost share w/ non-federal eligible entity)
- Reduce draw on Ogallala Aquifer to extend water supply from estimated 10 years to beyond 40 years through:
 - Incentivize AG community to shift from irrigated farming to dryland farming
 - Payment for voluntary restrictive easements on water rights
 - Focused on the Aquifer's Paleochannel NW of Cannon AFB

Actions to Date

- Monetary incentives to **reduce water consumption**
 - Restricts water **consumption** to **20%** of water right
- 13 Land Owners identified for potential inclusion
- **10** of 13 have **signed Letters of Intent (to enter leases)**
- **Water Rights Lease Agreements** are near completion
- Initial leases will be **short-term (up to 3 years)**
- After 3 yrs, easements in perpetuity or water right purchase

Partners & Funding

- Air Force / DoD
 - FY 21 = \$2,368,000
 - FY 22 = \$2,127,000
- Regional Conservation Partnership Program (RCPP)
 - \$6,911,000
- Ogallala Land & Water Conservancy (OLWC)
 - \$1,300,000 (ATBC grant application)
- State of New Mexico
 - CY 22 = \$2,400,000
 - CY 23 = \$1,200,000 (pending legislative approval)
- Curry County City of Clovis
 - \$450,000 • \$450,000



Note: Total of DoD funds projected over life of the program is ~\$18M
(\$30M-\$40M total with all matching funds)



Questions?
