

# *United States Air Force Reserve*

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*Integrity - Service - Excellence*

## **Air Force Reserve Facility Update Briefing**



**HQ AFRC/A4C  
Civil Engineer Division  
9 Jan 19**

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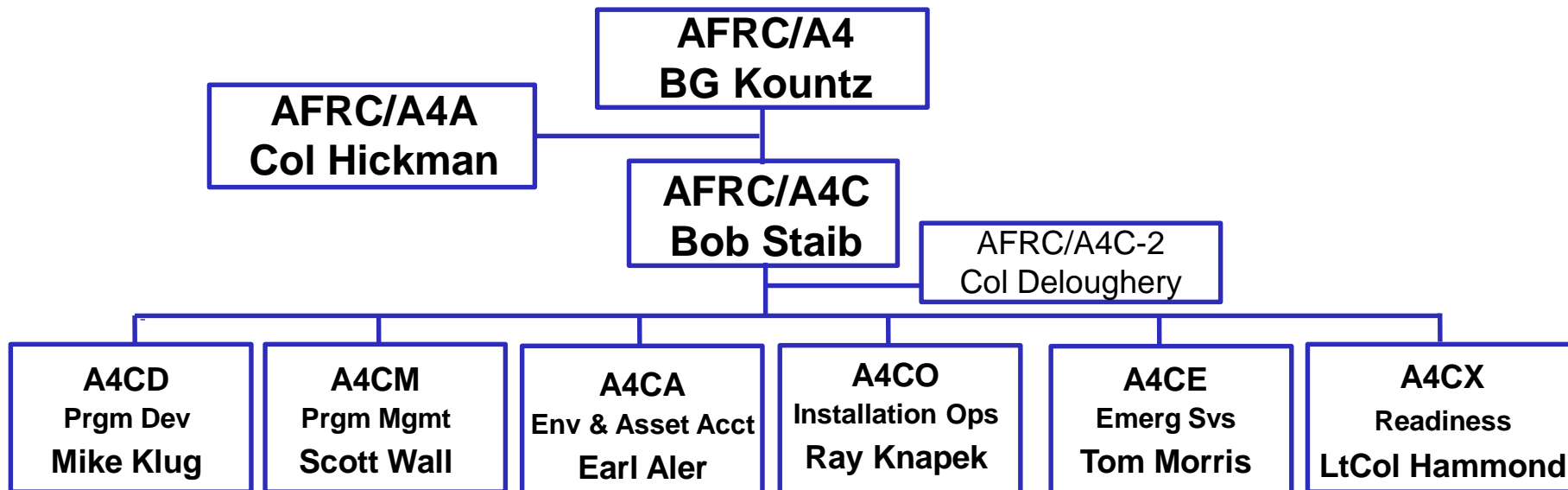
- **AFRC Overview**
- **MILCON (Program, Projects, P&D, UMMC)**
- **Facility Sustainment, Restoration & Modernization (FSRM)**
- **Environmental Programs**
- **Installation Operations**
- **Civil Engineer Readiness**
- **Leadership Development – SAME Partnership**



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# AFRC Overview

## Civil Engineer Division



### Plan & Program Facility Projs

- MILCON/P-341 & O&M Prgmg
- Community Planning
- Strategic Basing
- Site Surveys & SATAFs
- FOCUS

### Design & Exec Facility Projs

- MILCON/P-341 & O&M Design
- MILCON/P-341 & O&M Construction Mgmt

### Manage AFRC Asset Portfolio

- Real Property
- Environmental Svcs
- Asset Mgmt Plans
- Infrastructure Plans

### Maintain AFRC Infrastructure

- Engineering Expertise
- Sustainment Mgmt
- Energy / Utilities
- CE Service Contracts
- Base Maintenance Contracts

### Manage Emerg Services

- Fire Emerg Svcs
- EOD
- Emergency Mgmt & CBRN

### Organize, Train & Equip CE Forces

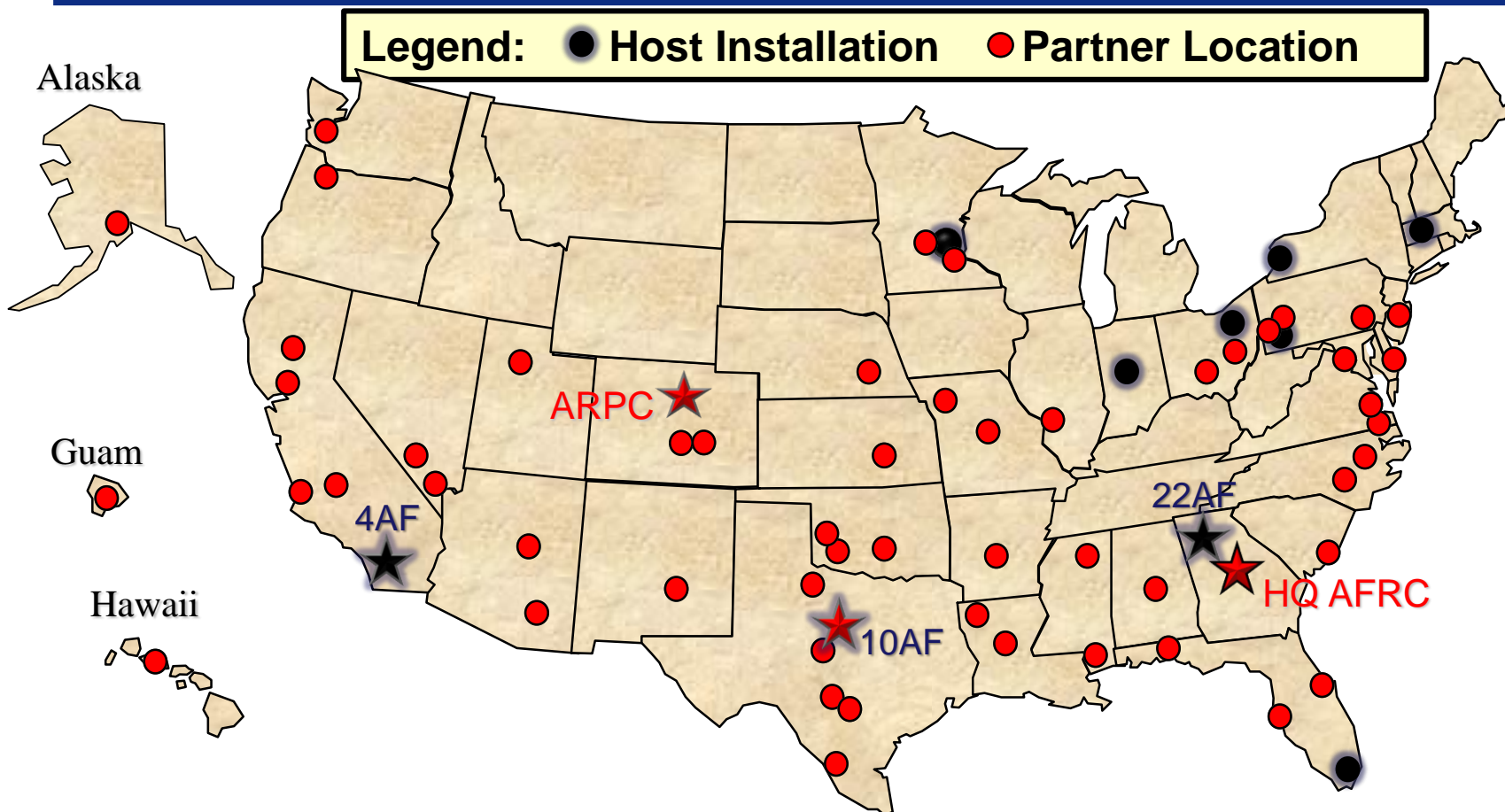
- CE Force Posture & Skills Training
- Prime BEEF
- RED HORSE
- S-Teams

**AFRC CE Enterprise: 4,052 TRs, 128 ARTs, 88 AGRs, 719 Civ, 423 IMAs**



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# Engineer Responsibilities AFRC Footprint



**9 Host installations – 57 Partner Locations/Ranges**

**33 Flying Wings, 12 Flying Groups, 1 Space Wing  
Over 70K Citizen Airmen**

**\$7.25B Plant Replacement Value, 21K Acres, ~3K Facilities**



# ***AFRC Overview***

## ***Facility Investment Strategy***

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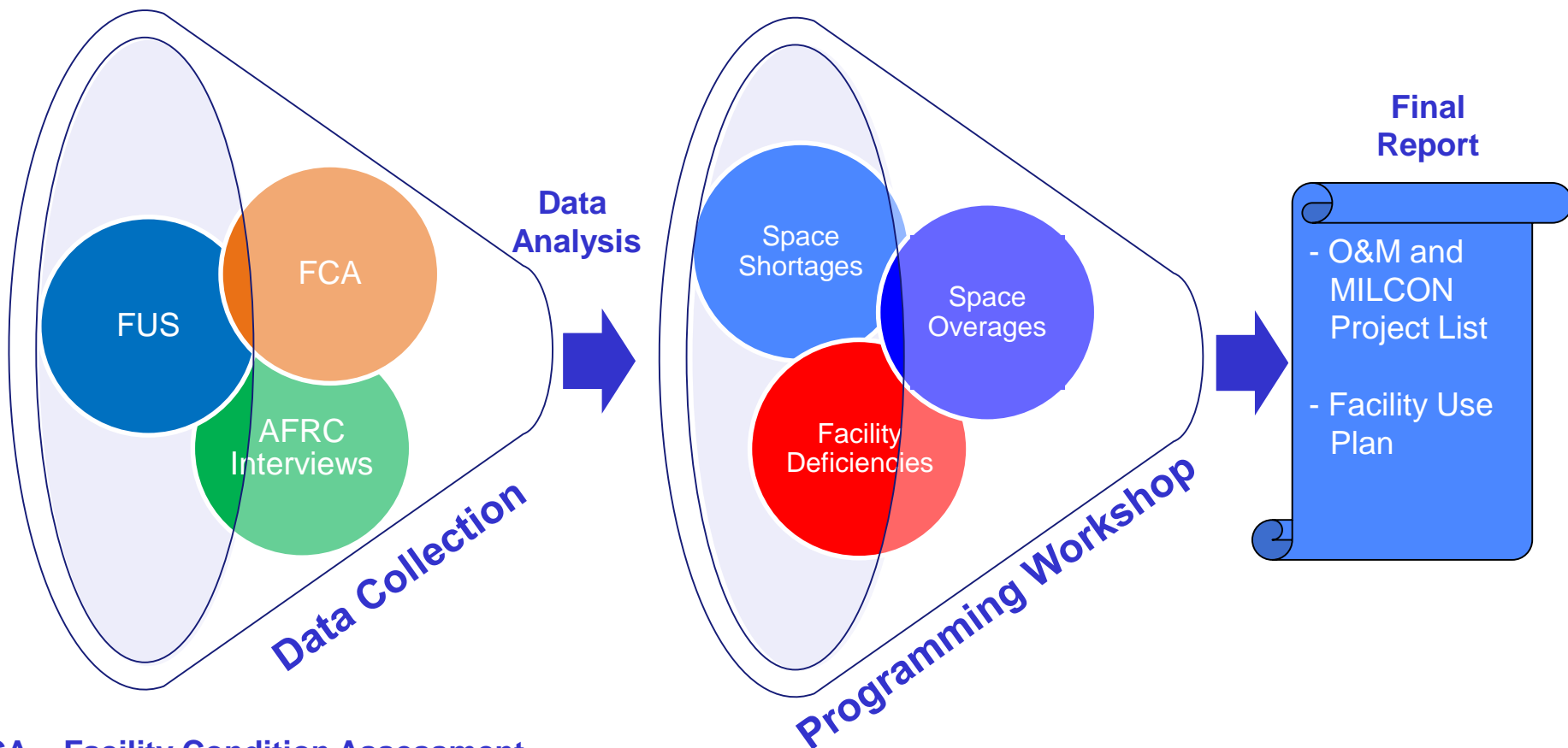
- **FOCUS** (Facilities Operational Capability & Use Survey):
  - Provides ground truth visibility and detailed assessment of facility and space utilization
  - Independent “boots-on-ground” validation of mission impacts
  - Sets course for future facility planning and programming
- **Consider Mission Impact & Facility Condition**
- **Greater reliance on O&M FSRM funds**
- **We are right-sizing our installations**
  - Demolished or divested 2.5M SF since 2006
  - Using consolidation and renovations to optimize footprint



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# AFRC Overview

## FOCUS: Program Process



FCA – Facility Condition Assessment  
FUS – Facility Use Survey (actual occupancy)  
Interviews – Facility Space Authorization

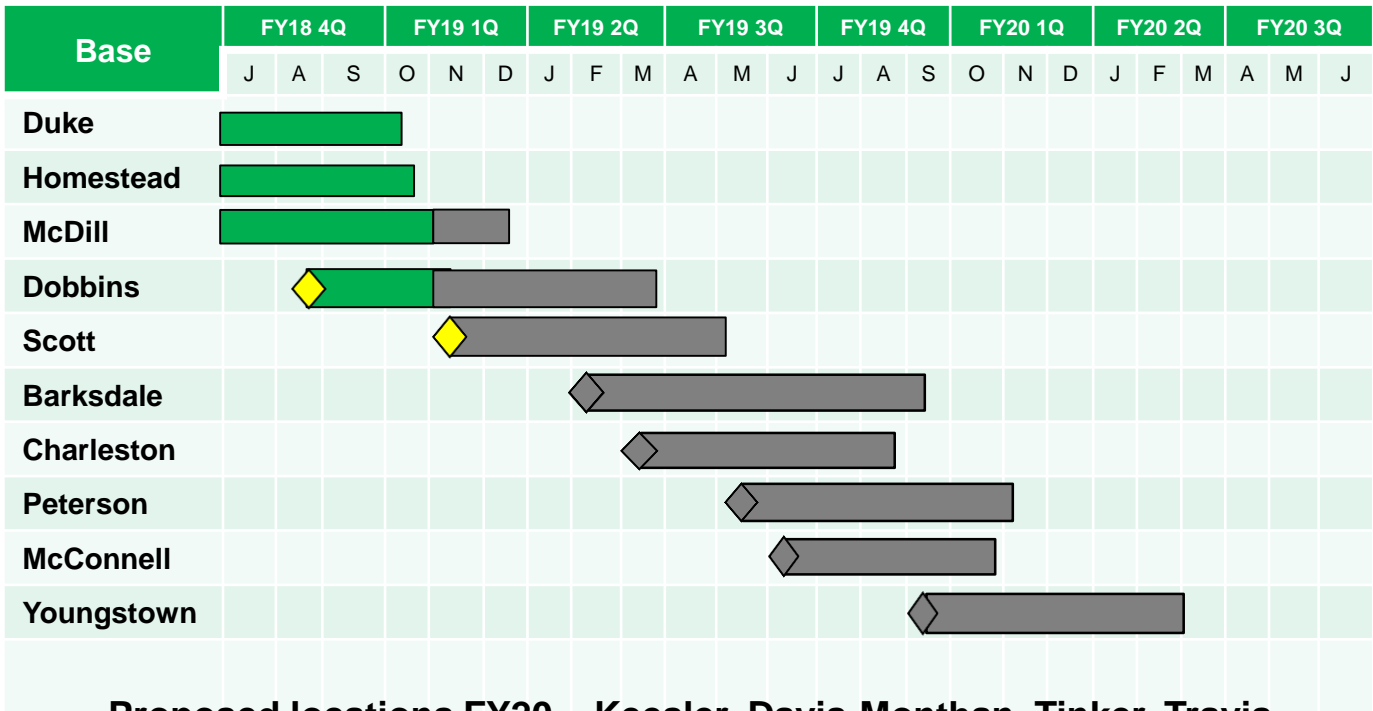
**Delivering sustainable, defensible, repeatable facility solutions**



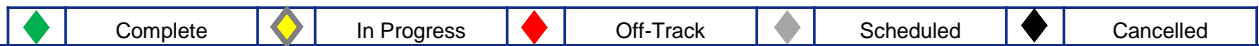
# AFRC Overview

## FOCUS: Program Schedule

Complete standard facility surveys at AFRC operating locations



Proposed locations FY20 – Keesler, Davis-Monthan, Tinker, Travis, McGuire & Grissom



### 3 Step Process

- Gather Data
  - Condition – BUILDER
  - Space - actual/auth'd
- Compile / Analyze Data
  - Condition deficiencies
  - Space over / under
- Establish Way Ahead
  - Plan projects to correct condition/space

### Results – 48 locations

- FOCUS Space Use
  - Authorized: 16.4M NSF
  - Actual: 15.7M NSF
- Requirements
  - \$1.4B FSRM
  - \$890M MILCON

ASSESSMENT

### Countermeasures

- Target mission impacting facilities w/ condition degradation

### Details

**Objective:** Complete standard facility surveys at AFRC operating locations

**Measures:** Execute 6-year enterprise-wide rotational assessment process

**Data Source:** 48 Location Visits / FOCUS Reports / IPL lists

**LRP's** N/A



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# ***AFRC Overview FY 18 Accomplishments***

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- **2nd largest MILCON program in AFRC history!**
  - **FY18: 9 projects, \$137.6M**
- **2nd largest FSRM program in AFRC history!**
  - **FY18: 268 projects, \$214.7M**
  - **2.6 times PB; 2.96% of PRV**
- **Three major weapon system beddowns in progress**
  - **KC-46A @ Seymour-Johnson AFB, SC**
  - **C-17s @ Pittsburgh ARS, PA**
  - **KC-135s @ Niagara Falls ARS, NY**
- **Partner w/ Louisville District Army Corps of Engineers**
- **Awarded two new multi-year IDIQ contracts**

***Total Recap Investment = 5.3% PRV (includes CM MILCON & FSRM)***





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# ***Agenda***





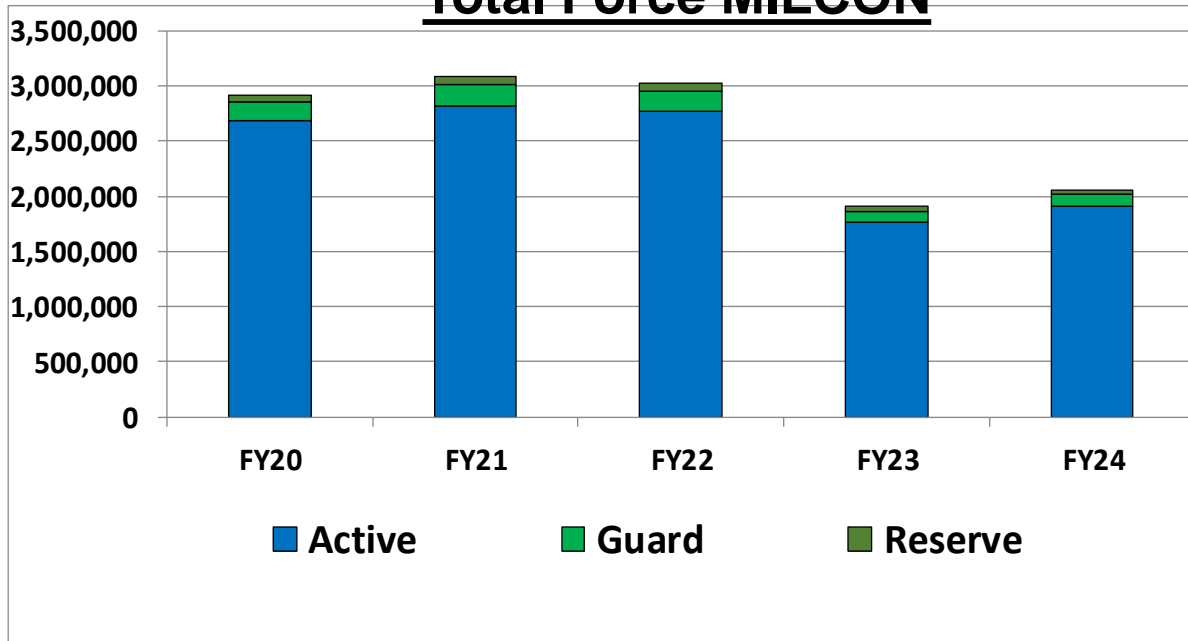
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# MILCON FY20 POM Position

## Total Force MILCON



**AFRC MILCON TOA across FYDP = \$272.9M**

Projects = 217.3M

P&D = \$21.0M

UMMC = \$34.6M

ASSESSMENT

### FY 20

Active	92.1%
Guard	5.8%
Reserve	2.1%

### FY 21

Active	91.7%
Guard	6.2%
Reserve	2.1%

### FY 22

Active	91.6%
Guard	6.2%
Reserve	2.2%

### FY 23

Active	92.3%
Guard	5.6%
Reserve	2.1%

### FY 24

Active	93.1%
Guard	5.1%
Reserve	1.8%

### Countermeasure

- Ensure HAF committed to ARC equity in each year of FYDP

### Details

**Objective:** Recapitalize AF facilities to meet critical mission requirements

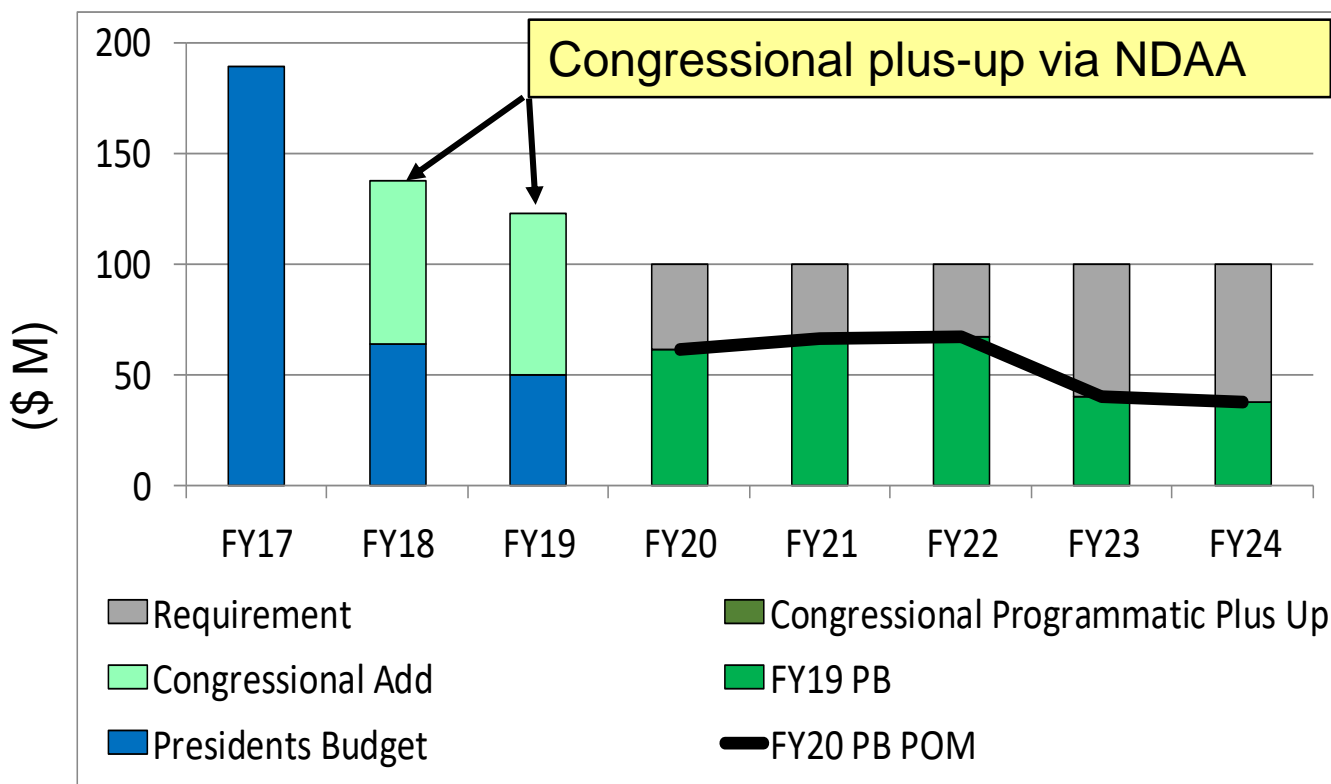
**Measures:** Program MILCON, P&D, and P341 funding; Target equity 2.7%

**Data Source:** FY20 PB POM position / ABIDES

**GOAL: AFR minimum equity at 2.7% MILCON TOA**



# MILCON Program Funding



## Analysis

- Ave MILCON funding past 20 yrs = \$40M/yr
- Spike in FY17 for KC-46 & C-17 beddowns
- FY18 – Congressional Adds = \$74.1M; 3 Projs plus P&D and UMMC
- FY19 – Congressional Adds = \$72.8M; 4 Projs
- F-35A New mission in FY21 (\$37.2M)
- HAF committed to ARC equity in each year of FYDP

ASSESSMENT

All numbers are programmed amounts and include P&D and P341 funds

## Countermeasure

- Ensure min equity 2.7% of TOA
- Ensure priorities reflected in FYDP project list

## Details

**Objective:** Recapitalize AFRC facilities to meet critical mission requirements

**Measures:** Program regular, P&D, and P341 funding vs. \$100M requirement to buy down \$890M backlog, ensure minimum of 2% PRV (recap MILCON+FSRM)

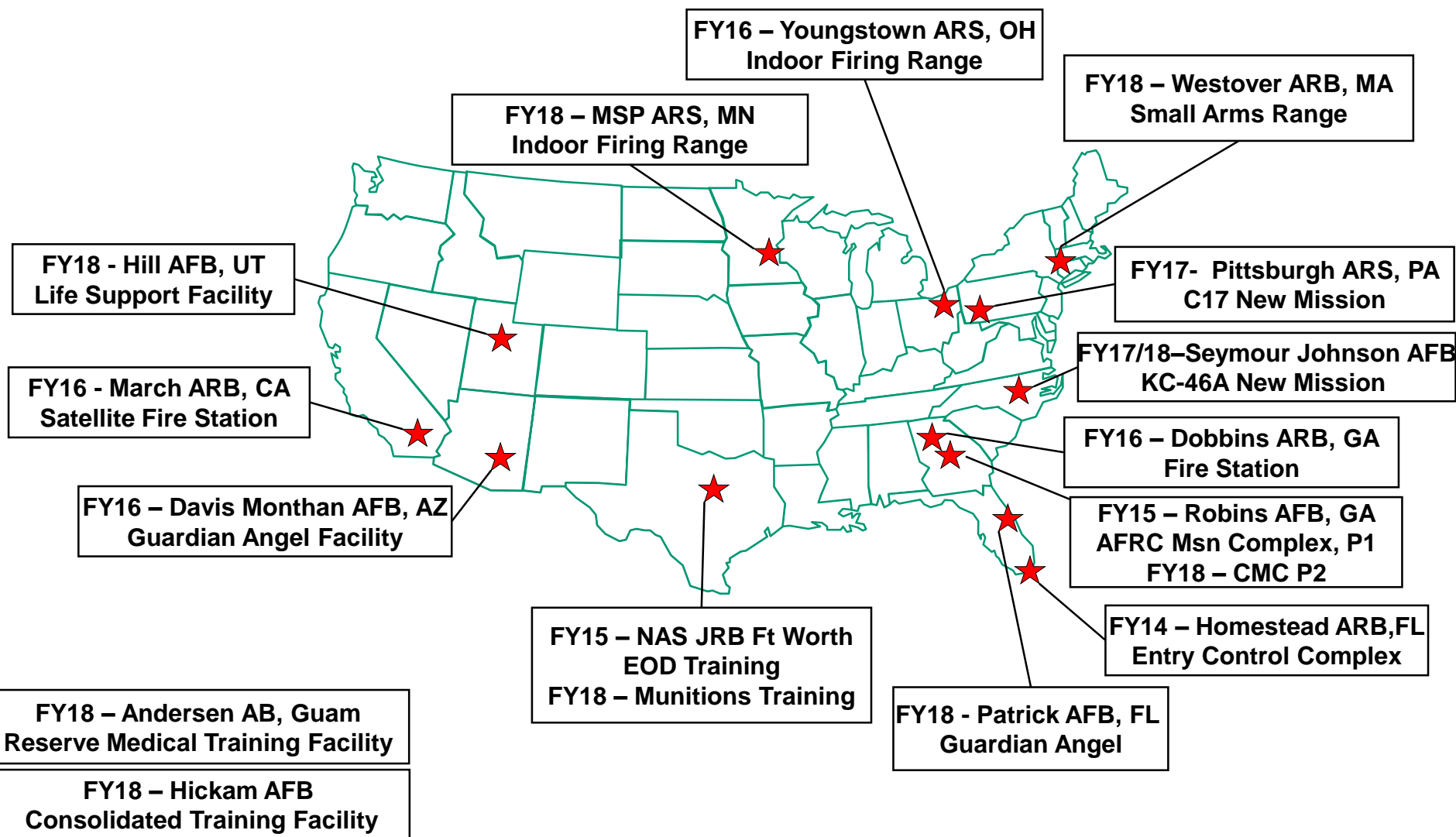
**Data Source:** Execution, FY15-19 PB, FY20 PB POM



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# MILCON

## Projects Under Construction



***Ensuring our installations are ready, capable & viable***



# MILCON FY18 Current Program

FY	Base	State	Title	PA (\$000)
18	Unspecified	VL	**Planning and Design	24,725
18	Unspecified	VL	**Unspecified Minor Military Construction*	13,610
18	Seymour Johnson	NC	KC-46A ADAL Alt Mission Storage	6,400
18	JRM-Andersen	GU	Reserve Medical Training Facility	5,200
18	Patrick	FL	Guardian Angel Facility	25,000
18	Westover ARB	MA	Indoor Small Arms Range	10,000
18	JBPH Hickam	HI	Consolidated Training Facility	5,500
18	Hill	UT	Add/Alter Life Support Facility	3,100
18	Minn-St Paul IAP	MN	** Enclose Small Arms Range	9,000
18	Fort Worth	TX	** Munitions Training/Admin Facility	3,100
18	Robins	GA	** Consolidated Mission Complex Phase 2	32,000
<b>TOTAL</b>				<b>137,635</b>

\* Unspecified Minor Military Construction \$2M to \$6M

\*\* FY18 Additions identified by FY18 NDAA



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# MILCON FY19-20 Current Program

FY	Base	State	Title	PA (\$000)
19	Unspecified	VL	Planning and Design	4,055
19	Unspecified	VL	Unspecified Minor Military Construction*	3,358
19	Grissom ARB	IN	Add/Alter Aircraft Maintenance Hangar	12,100
19	Niagara Falls IAP	NY	Physical Fitness Center	14,000
19	Keesler	MS	Aeromedical Staging Squadron Facility	4,550
19	Patrick	FL	** HC-130J MX Hangar	24,000
19	Grissom ARB	IN	** Aerial Port Facility	9,400
19	Youngstown	OH	** Relocate Main Gate	8,800
19	Westover ARB	MA	** ISO MX Hangar	42,600
<b>TOTAL</b>				<b>122,863</b>
20	Unspecified	VL	Planning and Design	5,988
20	Unspecified	VL	Unspecified Minor Military Construction*	12,355
20	Robins	GA	Consolidated Mission Complex Phase 3	43,000
<b>TOTAL</b>				<b>61,343</b>

\* Unspecified Minor Military Construction \$2M to \$6M

\*\* FY19 Additions identified by FY19 NDAA



## Future FYDP Requirements

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Base	State	Title
Fort Worth	TX	F-35A Simulator Facility
Fort Worth	TX	F-35A Squadron Operations/AMU
Minneapolis-St Paul IAP	MN	Aerial Port Facility
Patrick	FL	Simulator C-130J
Homestead ARB	FL	Corrosion Control Facility & Wash Rack
Grissom ARB	IN	Logistics Readiness Complex
Minneapolis-St Paul IAP	MN	Mission Support Group Facility
JB Andrews	MD	AES Training Facility
Beale	CA	940 ARW SQ OPS & AMU Complex
Westover ARB	MA	Parallel Taxiway, Runway 05/23
Youngstown	OH	Assault Strip Widening





■ P&D funds support AF MILCON execution goal:

“Award all projects in the year authorized / appropriated”

■ Total Force P&D profile:

	FY15	FY16	FY17	FY18	FY19
Appropriated	\$6,892K	\$13,400K	\$13,500K	\$24,725K	\$4,055K
Obligated	\$6,892K	\$13,400K	\$13,500K	\$6,632K	\$0K
% Unobligated	0%	0%	0%	73%	100%

■ FY20 Program = \$5,988K

■ FY18-19 P&D funds will focus on initiating FY21-23 concepts and design

## *Unspecified Minor Military Construction*

- UMMC funds address small/emergent MILCON <\$6M
- AFRC UMMC profile:

	FY15	FY16	FY17	FY18	FY19
Appropriated	\$1,400K	\$6,121K	\$1,500K	\$13,610K	\$3,358K
Obligated	\$1,400K	\$5,754K	\$1,500K	\$4,528K	\$0K
% Unobligated	0%	6%	0%	67%	100%

- FY20 Program = \$12.3M (5-year average is \$5.2M)
- AFRC UMMC Requirement = \$57.9M (Backlog, 21 Projects)



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  - Environmental Programs
  - Installation Operations
  - Civil Engineer Readiness
  - Leadership Development – SAME Partnership
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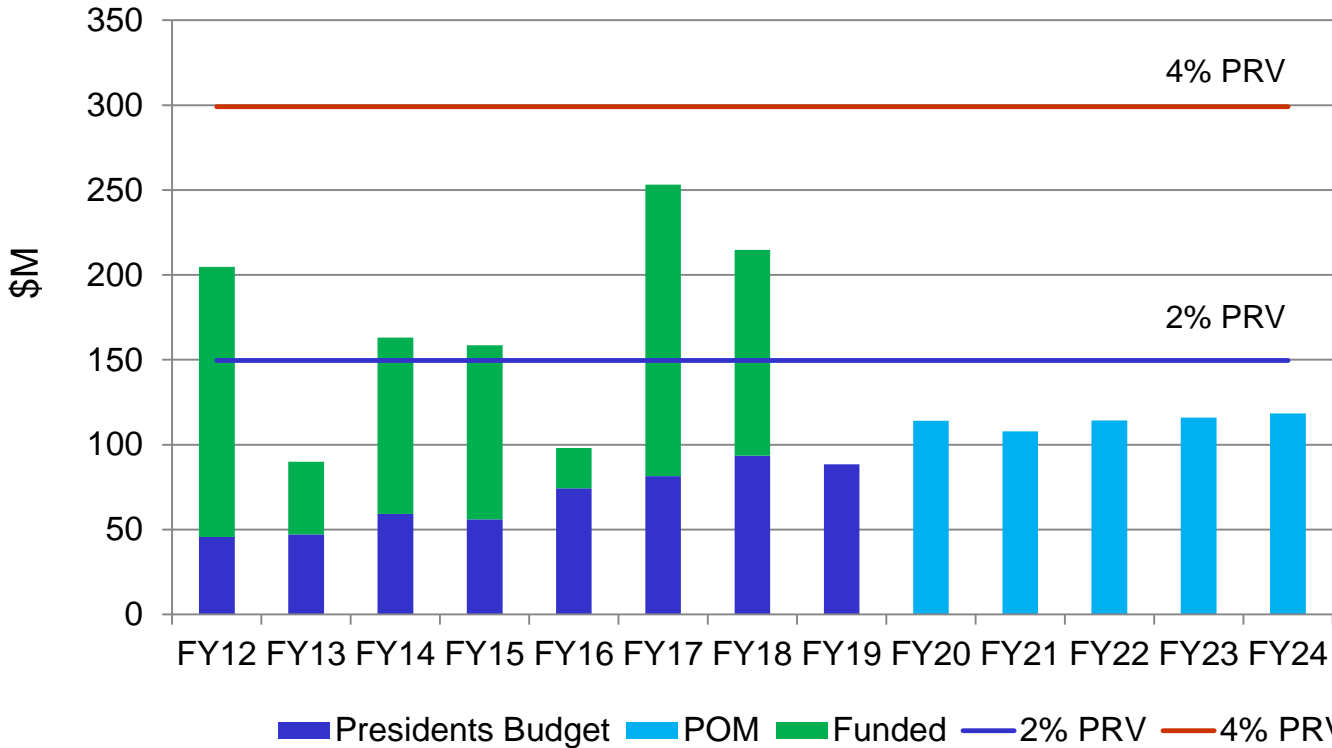


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# FSRM

## Program Funding

Great Teamwork! CE, FM, CONS, CoE, JA



### Analysis

- Bought out executable FY18 requirements
- 6 yr obs avg: \$148M/yr
- \$300M FY18 FSRM IPL approved; executed \$214.7M
- Execution goal between 2%-4%PRV (\$150-\$300M)
- Buy down \$1B O&M FOCUS-validated backlog
- Budget constraints drive IPL importance & discipline
- Past CM MILCON constraints mean higher need for O&M FSRM

ASSESSMENT

### Countermeasure

- Target mission impacting facilities w/ condition degradation
- Awarded new IDIQ contracts to enhance execution options

### Details

**Objective:** Recapitalize AFRC facilities to meet critical mission requirements

**Measures:** Program funding vs. 2%-4% PRV (\$150-\$300M/yr) to maintain facilities

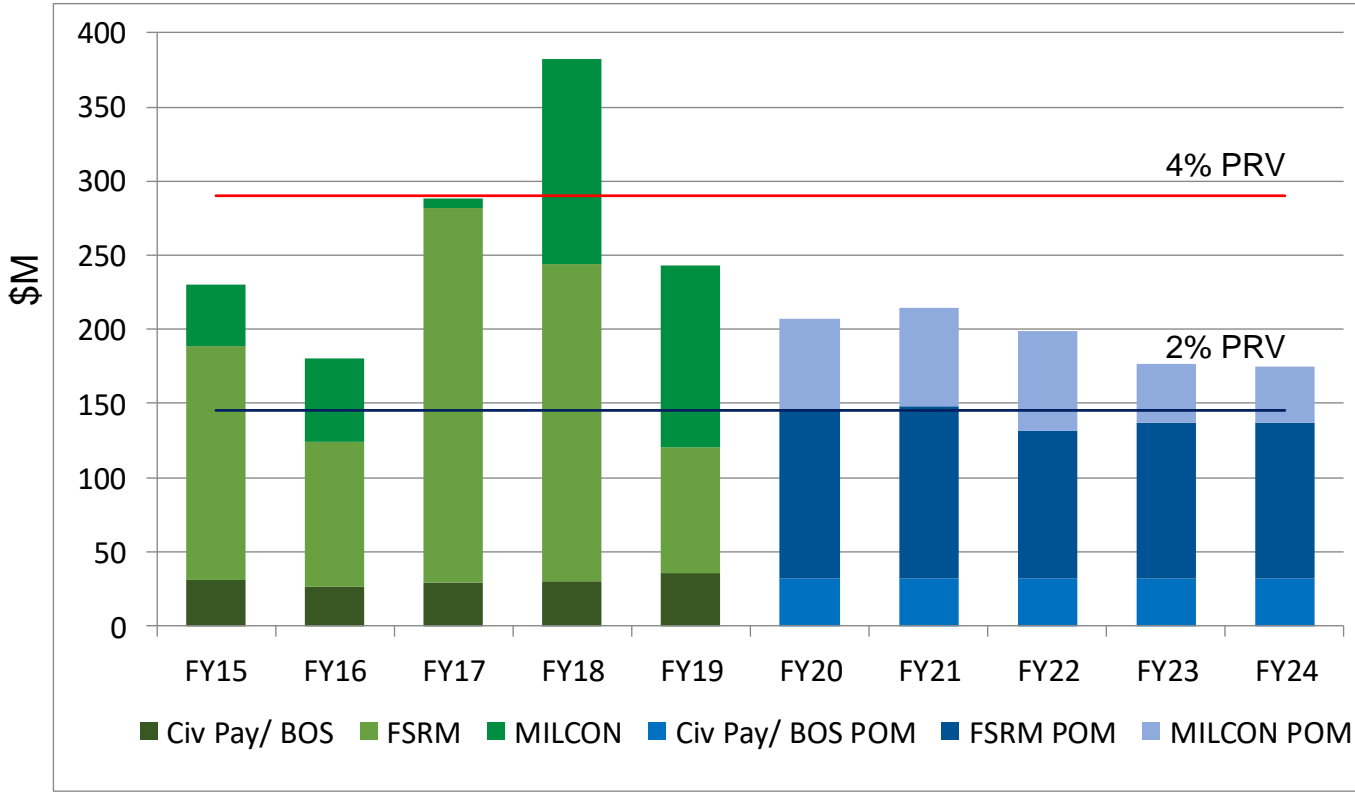
**Data Source:** Execution, FY19 PB

**Investing 2-4% of PRV - Keep Good Facilities Good**



# Facility Investments Recap Program Funding

Great Teamwork! CE, FM, CONS, CoE, JA



ASSESSMENT

## Analysis

- FY17 FSRM \$253M
- FY18 Facility Investment
  - FSRM \$214.7M
  - CM MILCON \$137.6M
  - Recap investment 5.3%PRV
- FY19 MILCON \$122.8M

## Countermeasure

- Target mission impacting facilities w/ condition degradation
- Execution goals
  - Minimum 2% PRV,
  - Target ave 4%PRV
- Buy down \$1.3B O&M FOCUS-backlog

**Details**  
**Objective:** Recapitalize AFRC facilities to meet critical mission requirements  
**Measures:** Program funding vs. 2%-4% PRV (\$145-\$290M/yr) to maintain facilities  
**Data Source:** Execution, FY19 PB; POM

**Goal: Invest 2-4% of PRV per year to maintain Physical Plant**

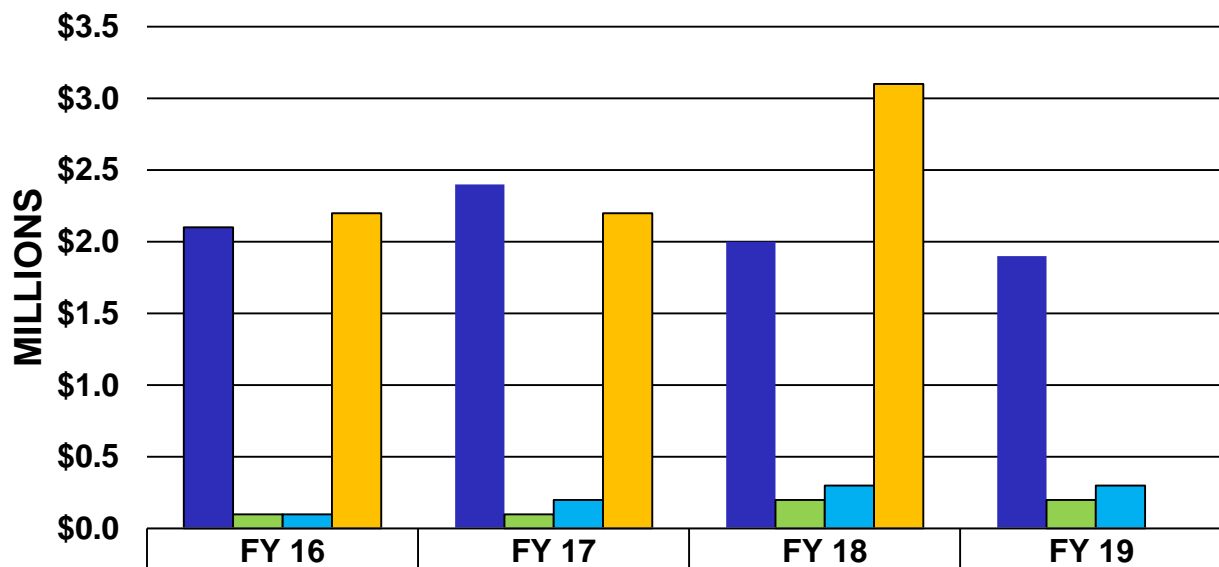


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# Environmental Programs FY19 Funding

## ENVIRONMENTAL FUNDING



	FY 16	FY 17	FY 18	FY 19
■ Compliance PB	\$2.1	\$2.4	\$2.0	\$1.9
■ Pollution Prevention PB	\$0.1	\$0.1	\$0.2	\$0.2
■ Conservation PB	\$0.1	\$0.2	\$0.3	\$0.3
■ AFRC Insourced Funding	\$2.2	\$2.2	\$3.1	





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# *Environmental Programs*

## *Env Quality, Asset Mgmt, Real Property*

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### ■ **Environmental Quality**

- **Maintain compliance, maintain environmental mgt. system (EMS)**
- **Manage National Environmental Policy Act (NEPA) actions**

### ■ **Asset Accountability**

- **Prioritize facility and infrastructure requirements**
- **Analyze sustainment mgmt systems (BUILDER, PAVER, etc.)**

### ■ **Real Property/Real Estate**

- **Real Property records and inventory accountability**
- **Land/property acquisition and disposal efforts**

### ■ **Items of Interest:**

- **AFFF recovery/disposal/replacement (AFCEC program)**
  - **Installation level environmental staff support**
  - **Installation level support of Financial Improvement Audit Readiness (FIAR) efforts**
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# *Installation Operations Program Responsibilities*

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- **BOS Contract Integrator and Commodity Lead**
  - Utilities, Custodial Services, Grounds Maint., Refuse, Pest Control
  - Air Force Common Levels of Service (AFCOLS)
- **Reach-back Engineering Expertise for Installations**
  - Civil, Electrical, Mechanical
- **Infrastructure Oversight**
  - Airfields, Pavements, Utility Systems, POL Systems
- **Energy Management**
  
- **Items of Interest:**
  - BOS Contract Re-competes
  - Sustainment Management Systems



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# *Civil Engineer Readiness Expeditionary Engr & Emergency Services*

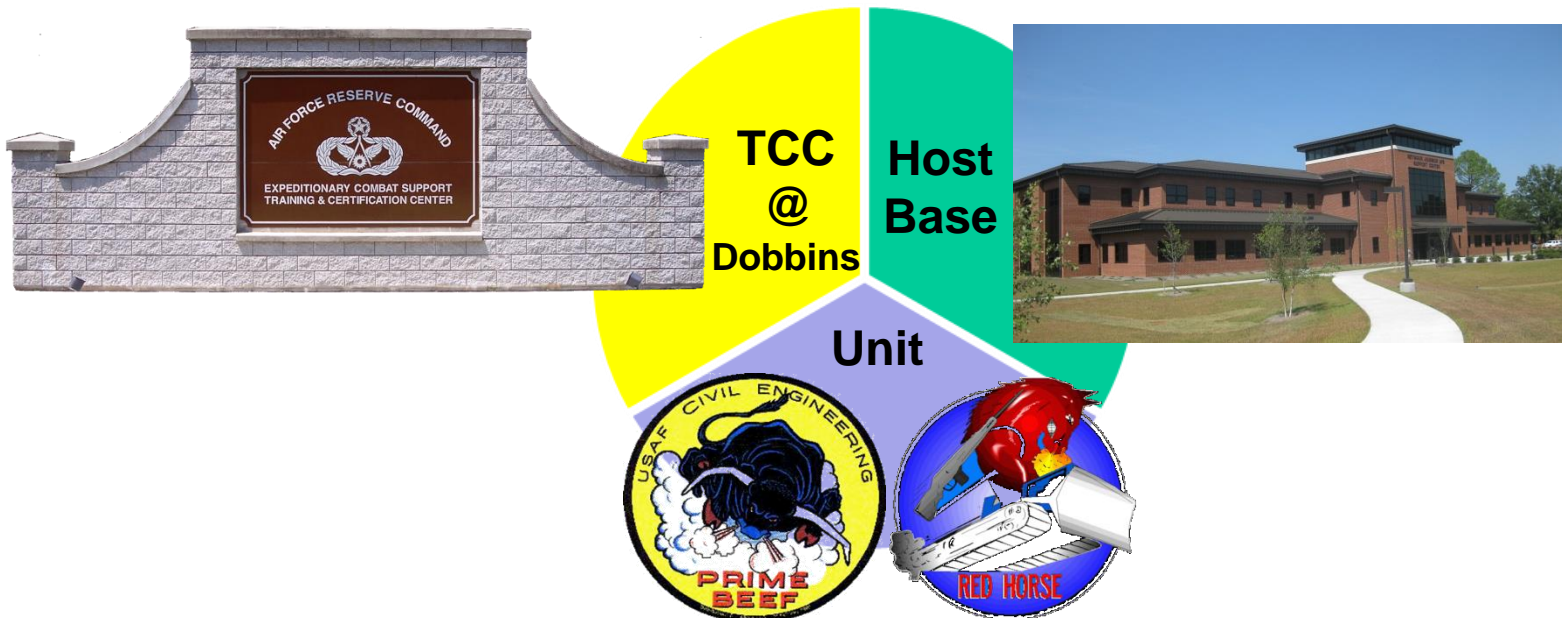
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- **Emergency Services (FES, EOD, EM)**
  - BOS and Expeditionary Program Management
  - Reach-back Technical and Training Support
- **Engineer Force Structure and Force Development**
  - Prime BEEF, RED HORSE & S-Teams
  - Silver Flag/MEET/Special Capes/3-5 Level Training - DFT/IRT/TTP
- **Readiness**
  - Resources & Capabilities Readiness Analysis
  - Global Force Management Sourcing - Mobilizations/Deployments
- **Command-wide CE Training & Equipping Programs**
  - Consolidated Eqmt Mgmt Facility (CEMF) @ Grissom ARB, IN
  - Expeditionary Combat Support Training Certification Center (ECS-TCC) @ Dobbins ARB, GA



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# Civil Engineer Readiness Training/Resourcing Model



Contingency Equipment Management Facility @ Grissom ARB, IN

AFR Unit	TCC	Host
Contingency Skills Training	3-5 Level Core Task Training	Seasoning Training Support
Proficiency Training	MEET	Immobile Assets
CDCs	Custom Courses	Heavy Equipment
Certification (3,5,7 levels)	Education	
5-7 Level Home Station Training	Hosted Events	

Contingency Equipment Management Facility provides training equipment as required

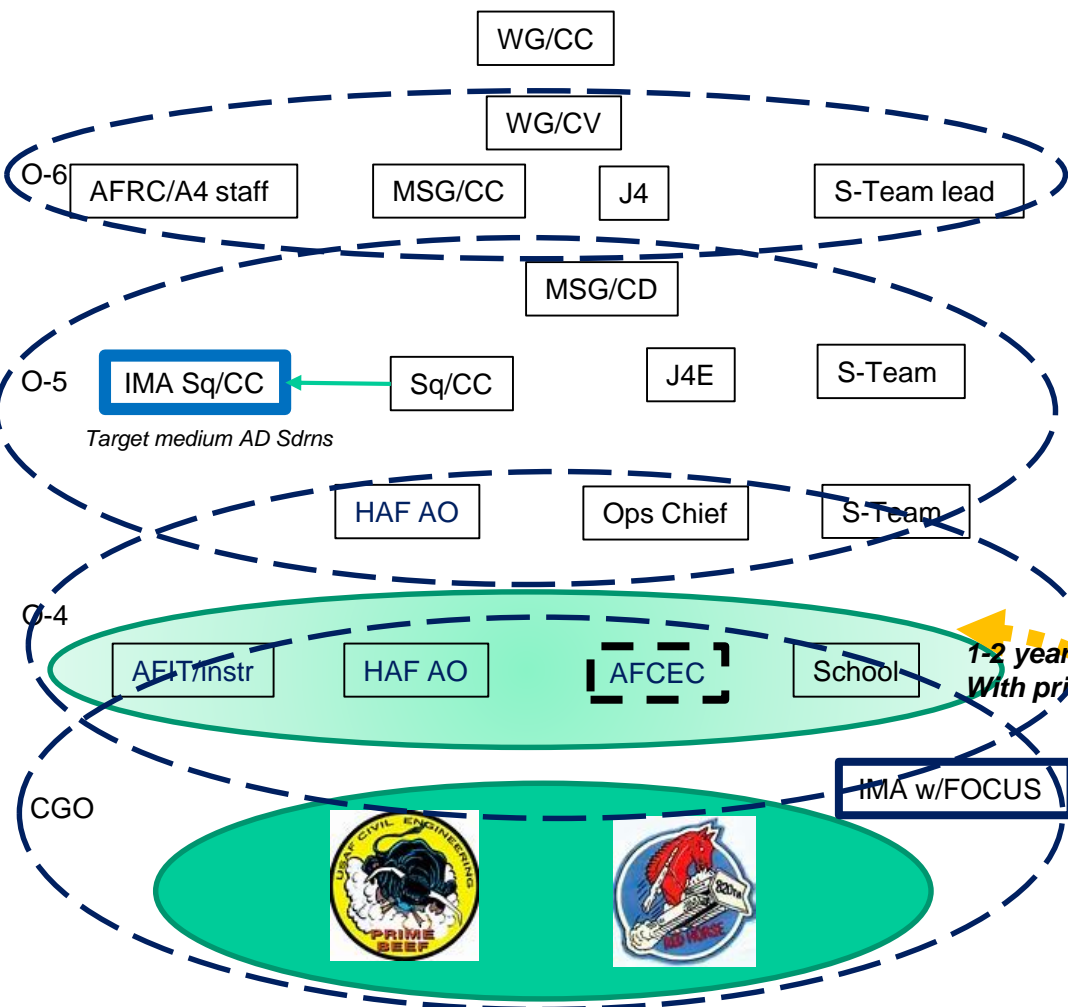


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# Leadership Development SAME Partnership Proposal



AFRC CIVIL ENGINEER  
SAME Partnership Map

*Building Citizen Airmen to meet our Nation's Call*

Society of  
**SAME**  
American Military Engineers

**JACOBS**

**ch2m**

Private Industry

**AECOM**



**HDR**

**Gensler**

-Negotiate with Private Sector to "loan" employee to USAF for 1-2 years (off the books but w/"return rights")



# *Leadership Development SAME Partnership Proposal*

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- **Sponsored Booth at JETC – May 2017 & 2018**
- **49 Sustaining Member Firms expressed interest**
- **2018: Six engineers expressed interest**
  - **AFRC Hired our first recruit !!!**
  - **One chose to serve in the ANG!**
- **Re-attack at JETC 2019 in Tampa**
- **Developing website for more information**
- **Solicit your continued recruitment on our behalf**





## *Where Do I Get More Info?*

- Request for Information (RFI)
  - Sources Sought Synopsis
  - Pre-solicitation Notices
  - Award Notices
  - Requests for Quotes/Proposals
    - Government-wide Point of Entry (GPE)
      - <http://www.fedbizopps.gov>
      - <http://www.ebuy.gsa.gov>
  - AF Budgets – current and historical
    - <http://www.saffm.hq.af.mil/budget/index/asp>
-



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- **A4CO: Installation Operations; Mr Ray Knapek**  
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- **Each unit has a Project Manager (PM) assigned for:**
  - **Program Development (project planning and approval)**
  - **Program Management (project award & construction)**



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***Thank You For Your Continued Support !***

***Questions or Comments?***