

# ***United States Air Force Reserve***

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*Integrity - Service - Excellence*

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



**HQ AFRC/A4C  
Civil Engineer Division  
19 Jan 22**

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- **AFRC Overview**
- **AF Facility Infrastructure Investment Strategy (I2S)**
- **Facility Sustainment, Restoration & Modernization (FSRM)**
- **MILCON**
- **Environmental Programs**
- **Installation Operations**
- **Points of Contact**



# ***AFRC Overview Mission & Vision Statements***

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## **Air Force Reserve**

### **MISSION**

Provide Combat-Ready Forces to Fly ,Fight and Win

### **VISION**

Reserve Citizen Airman – an agile, combat ready force answering our nation’s call...always there!

## **Logistics, Engineering & Force Protection**

### **MISSION**

Provide ready Airmen and strategic depth across the spectrum of A4 capabilities To Fly, Fight and Win

### **VISION**

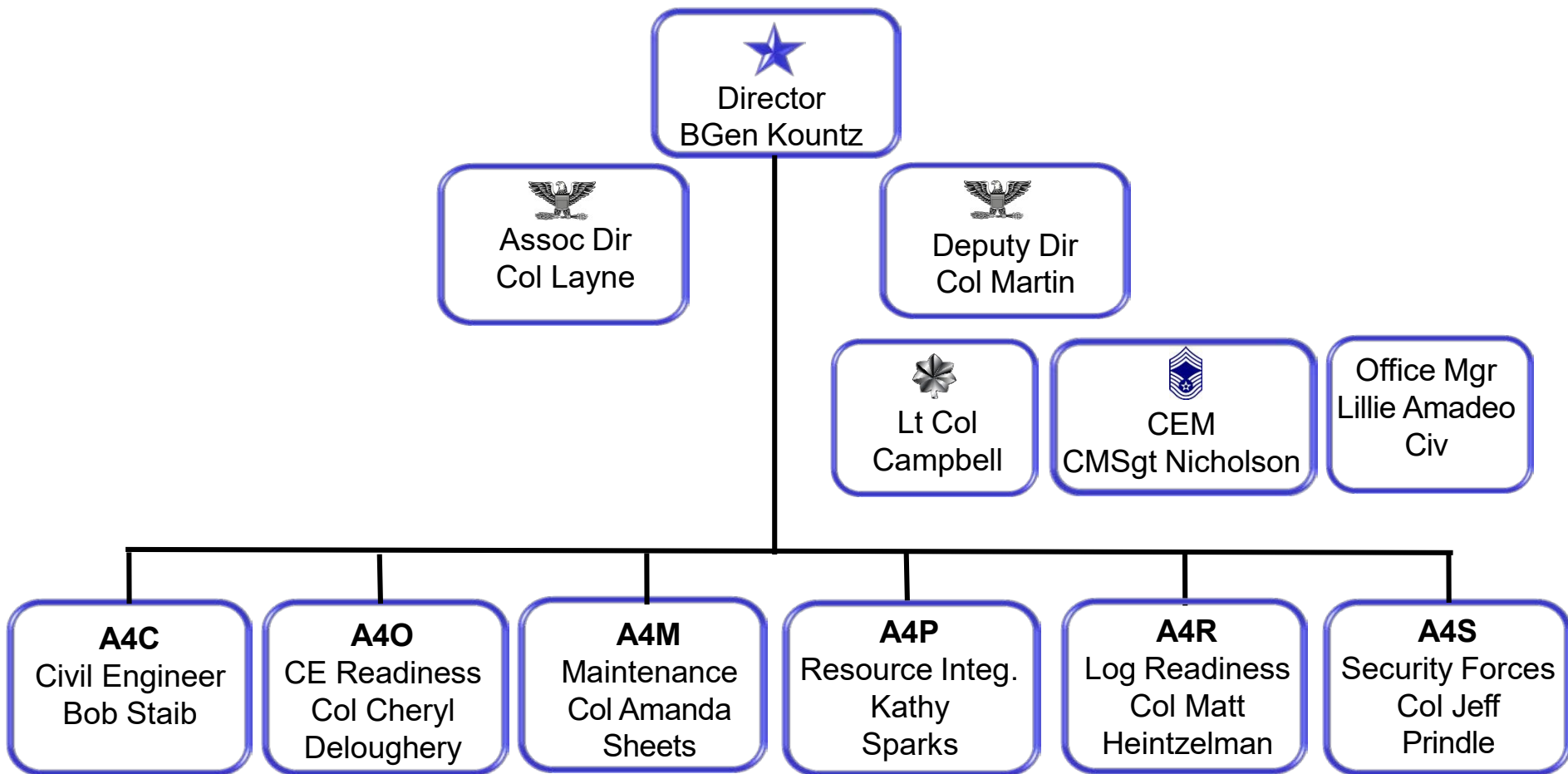
One agile, resilient team of Logisticians, Engineers, and Defenders serving our Nation



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# AFRC Overview

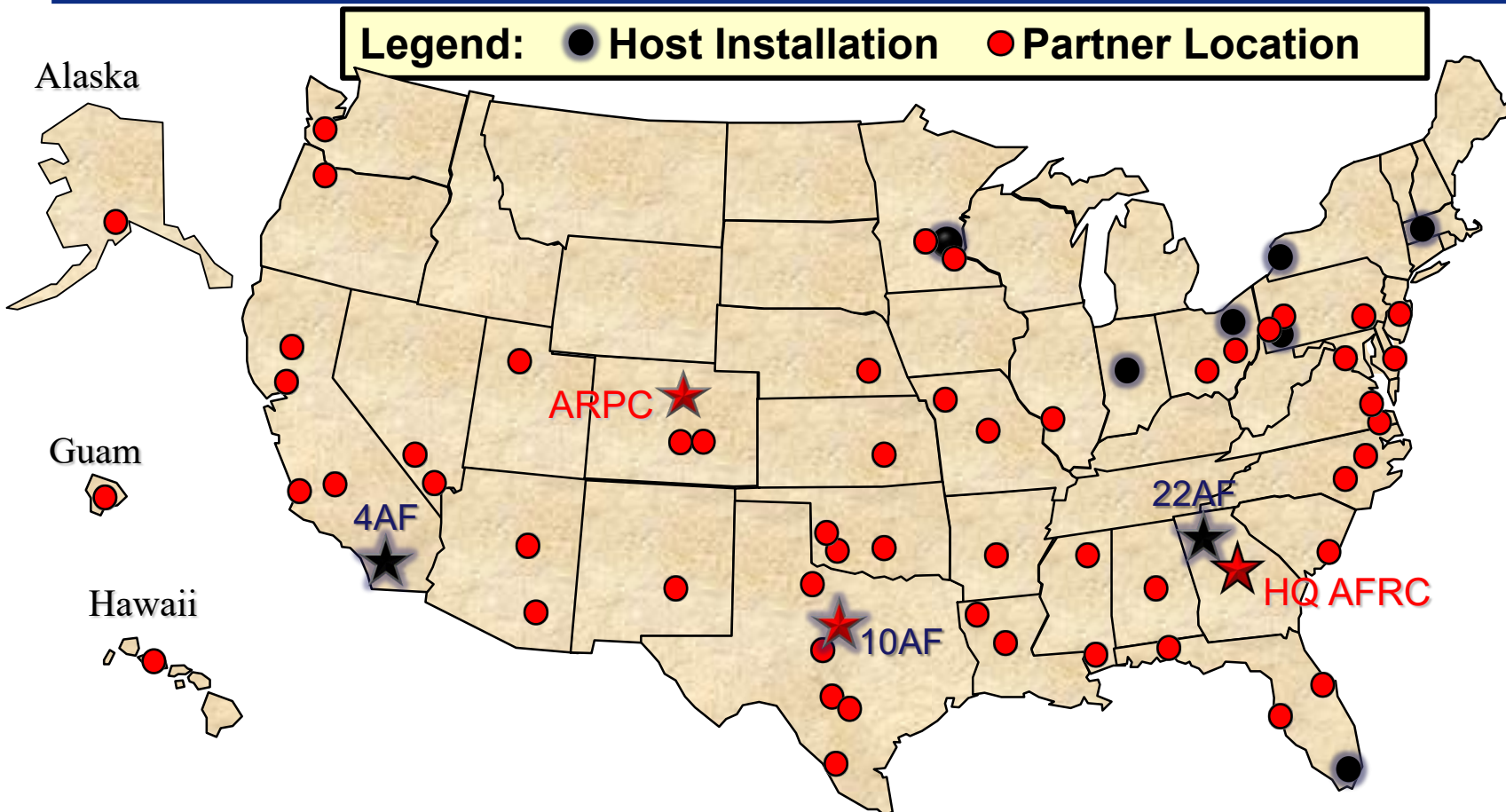
## AFRC/A4 Key Leadership





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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**

**\$8.65B Plant Replacement Value, 21K Acres, ~3K Facilities**



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# *AFRC Overview*

## *FY21 Accomplishments*

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- **Recent MILCON program TOA**
  - **FY17: 6 projects, \$188.95M (100% Awarded in year of Approp)**
  - **FY18: 9 projects, \$137.6M (NDAA +\$74M; 3 projects, UMMC, P&D)**
  - **FY19: 7 projects, \$122.86M (NDAA +85M; 4 projects)**
  - **FY20: 3 projects, \$84.5M (NDAA +\$25M; 2 projects)**
  - **FY 21: 2 projects, \$39.2M (100% Awarded in year of Approp)**
  
- **Three major weapon system beddowns in progress**
  - **F-35A @ NAS JRB Fort Worth**
  - **MH-139 @ Maxwell AFB**
  - **KC-46A MOB 5 @ TBD**
  
- **FSRM program execution**
  - **FY21: 126 projects, \$71.9M**
  - **4% below PB; ~1.0% of PRV...had \$100M+ ready, unfunded**

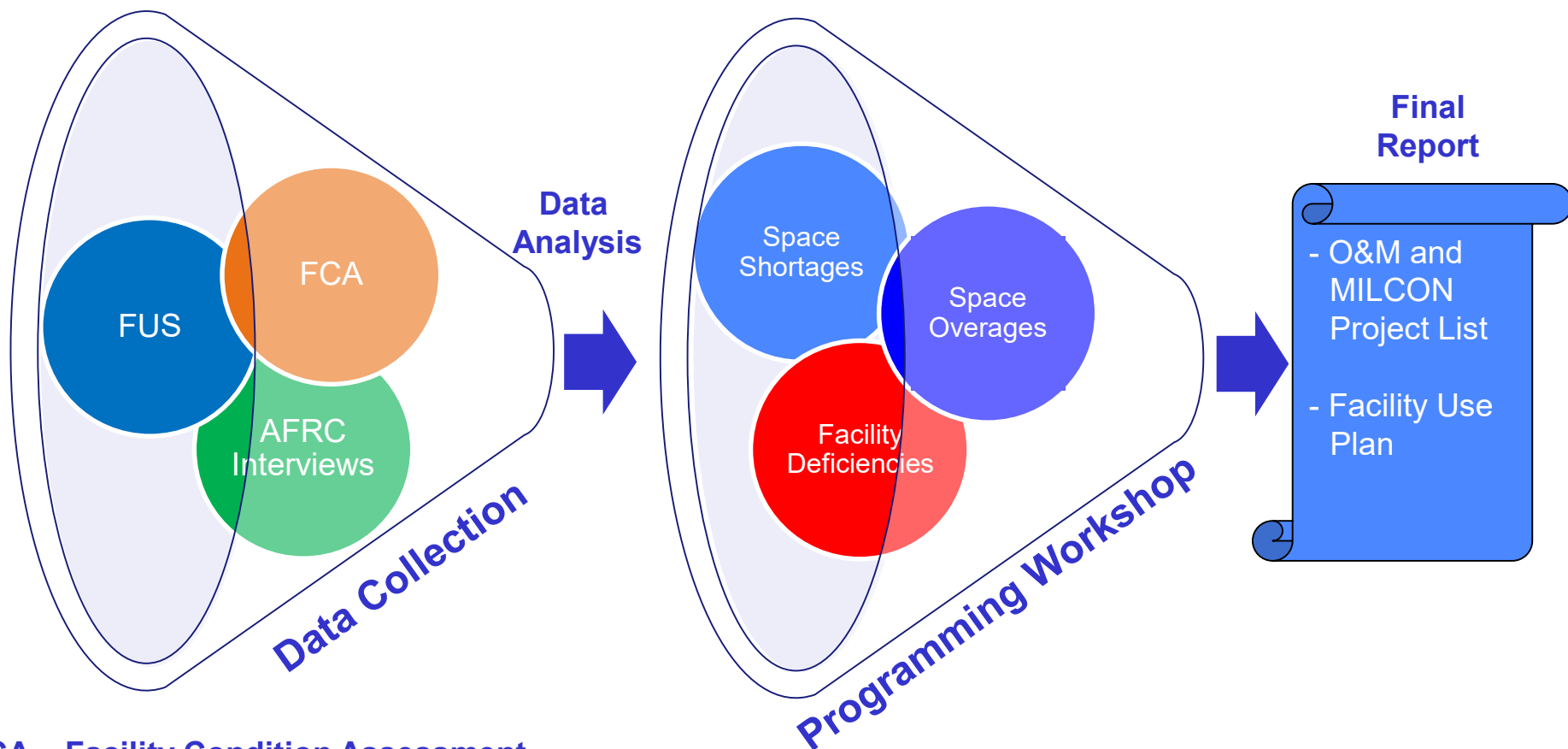
***Total Recap Investment = 0.8% PRV (includes CM MILCON & FSRM)***



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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**



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# AFRC Overview

## FOCUS: 6-Year Cycle

FY21	FY22	FY23	FY24	FY25	FY26
Hill	Beale	Andrews	Duke / Eglin / Hurlburt	Charleston	Davis-Monthan
Keesler	Dover	March	Dobbins	Homestead	Grissom
Little Rock	Lackland	McChord	Ft Worth	MacDill	MSP
Niagara Falls	McGuire	Seymour	Maxwell	McConnell	Travis
Pittsburgh	Westover	Wright Patterson	Nellis / Creech	Scott	Tinker
		Whiteman	Patrick	Youngstown	

• Adjustments can be made based on Wing requests

 Denotes Host Installation

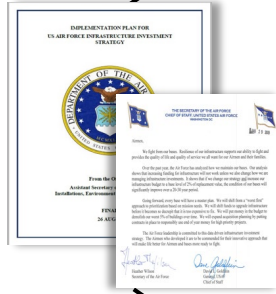
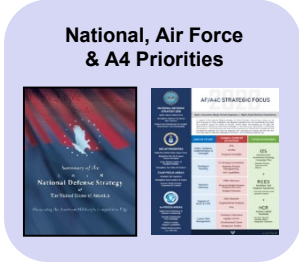




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# Infrastructure Investment Strategy (I2S)

I2S will guide facilities sustainment, restoration, modernization and recapitalization requirements and investment in a way that restores readiness to our power projection platforms, cost effectively modernizes our infrastructure, and drives innovation in installation management practices



Implementation Plan for US Air Force Infrastructure Investment Strategy...

### 3 Lines of Effort

- Restore Readiness to Power Projection Platforms **52% complete**
- Cost Effective Modernization of Infrastructure **68% complete**
- Drive Innovation in Installation Management **55% complete**

### Key Elements

- Data-driven asset management
- Optimize investment, no longer worst first
- 5% square footage reduction
- Budget Floor = 2% of Plant Replacement Value (PRV), Target = 2.3% PRV

**End State:** Adaptive, resilient, right-sized and fiscally sustainable infrastructure to assure combat readiness, lethality, and Airmen resilience

**Monitoring Efforts:** SAF, HAF, and MAJCOMS are integral to implementation. Implementation progress/effects actively monitored through the Installation Executive Council and A4C governance

<p><b>SecAF</b> directs SAF/IE to Prepare Air Force Infrastructure Investment Strategy during CORONA Top</p>	<p><b>SecAF, CSAF, and MAJCOM/CCs</b> signed the final I2S document</p>	<p><b>Final I2S Implementation Plan</b> enacted</p>	<p><b>Initial Achievements</b></p> <ul style="list-style-type: none"> <li>• Revised strategic basing policy</li> <li>• Energy Installation Plans for resiliency initiated at 20 installations</li> <li>• Postured 5-year integrated project list</li> <li>• Incentivized divesture of failing facilities and increase in "sweet spot" spending</li> </ul>	<p><b>Accelerate Change for Infrastructure Fall CORONA 2021</b></p> <ul style="list-style-type: none"> <li>• Risk-based hangar fire suppression systems</li> <li>• Footprint growth offsets</li> <li>• New facility standards for telework</li> <li>• Revisit facility options at 150% increase in MILCON/FSRM project costs</li> <li>• Basing actions and requirements control</li> </ul>
JUN 18	JAN 19	NOV 19	NOV 20	PRESENT (As of 12 Nov 2021)



# ***Sundown Policy For Foam Fire Suppression System (FSS)***

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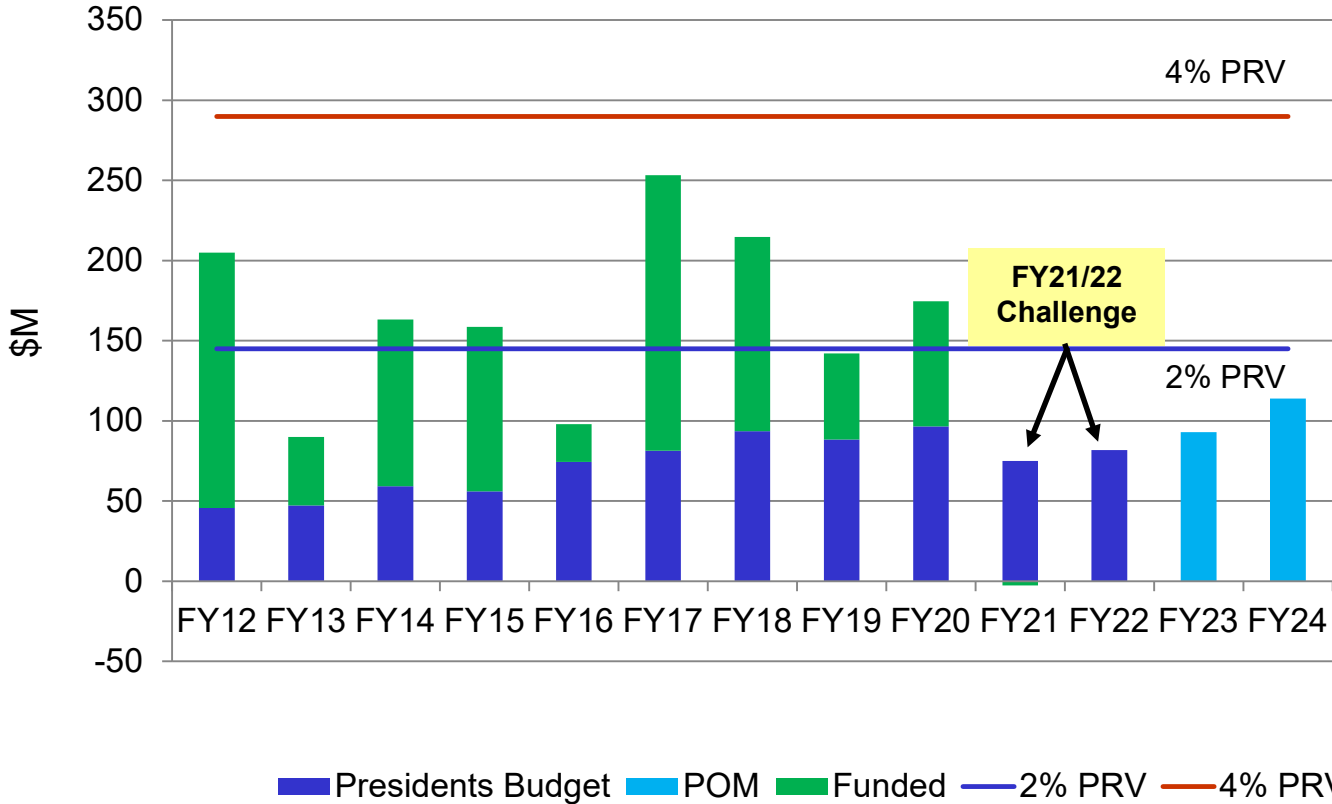
- **SAF/IE signed Sundown Policy for Foam FSS on 16 Nov 21**
- **Tier 1: Approval thru MAJCOM/A3, AF/A3, to SAF/IE by 16 Feb 22**
  - *“Foam FSS limited where the total loss of the facility, or loss of the aircraft/assets service inside, would result in mission failure at the Department of Defense, Department of the Air Force, Combatant Command or Sub-Unified Command level.”*
- **Tier 2: All others**
  - *“The end-state Tier 2 facility FSS is an automatic water sprinkler system designed to provide life safety protection for occupants to evacuate the facility*
- **Congressionally mandated phase out of AFFF by Oct 24**
- **Existing HEF/LEFS approved until replaced with sprinkler sys**
- **Program projects for HEFS/LEFS replacement by Jul 22**
- **New facilities**
  - **Tier 1: Request for approval prior to authorizing design funds**
  - **Tier 2: Shall be designed with an automatic sprinkler system**



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# FSRM

## Program Funding



### Analysis

- FY21 PB: \$74.6M
- FY21 FSRM CTO appr'vd to cover 4% PRV
- Executed \$71.9M
- **\$2.7M below PB**
- **Less than 1% PRV**
- 6 yr obs avg: \$159M/yr
- Execution goal:
  - 2%-4%PRV (\$144-\$288M)
  - Buy down \$1B O&M FOCUS-validated bk/log
- Requirement (2% PRV) under-programmed
- Budget constraints drive IPL discipline
- FY22 PB: \$81.8M

ASSESSMENT

### Countermeasure

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

14 Oct 2021

### Details

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

**Measures:** Program funding vs. 2%-4% PRV (\$144-\$288M/yr) to maintain facilities

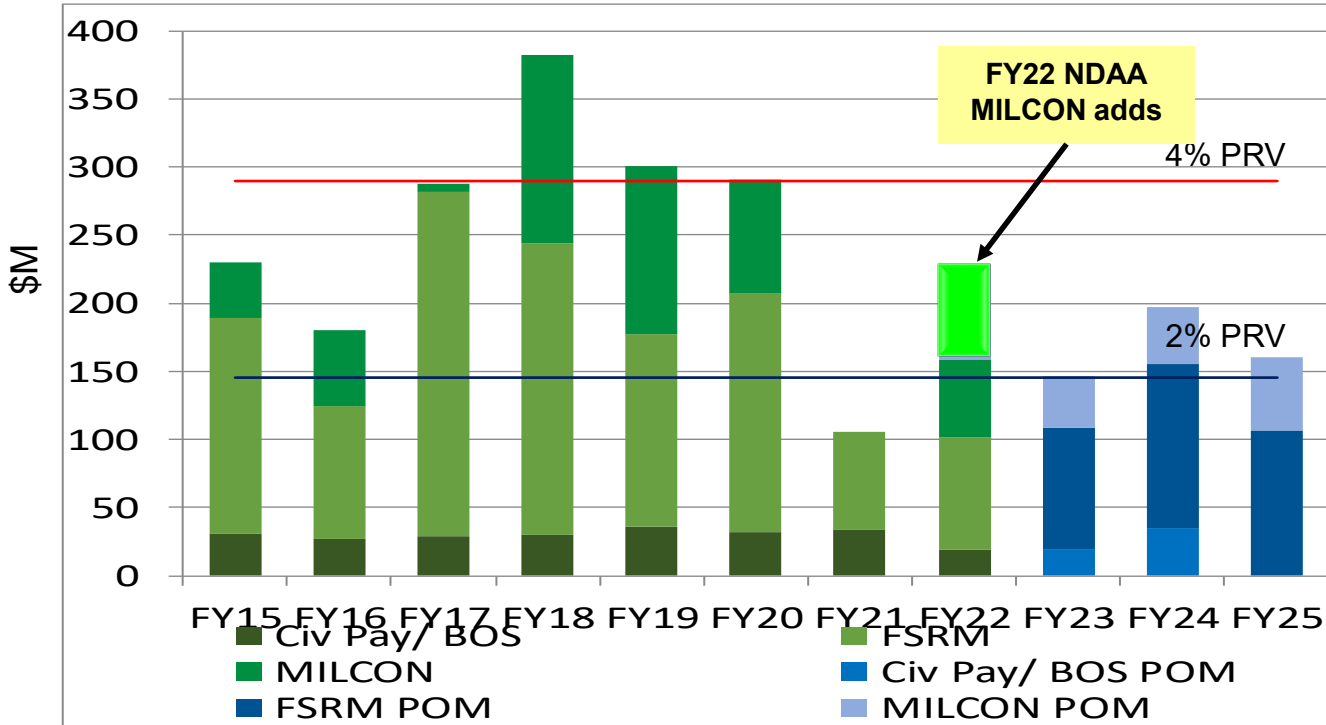
**Data Source:** Execution, FY21 PB, POM

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



# FSRM & MILCON

## Recapitalization Investment



### Analysis

- FY21 Facility Investment
- FSRM \$71.9M
- CM MILCON \$0M
- Recap investment **0.8% PRV**
- Proj'd FY22 Recap Invest pgm'd @ 2.2% PRV
- MILCON \$79.4M
- FSRM \$81.8M
- FY22 NDAA adds \$85.7M
- Recap Invest to 3.2%PRV
- Pending Approp Bill Signing

ASSESSMENT

### Countermeasure

- Target mission impacting facilities w/ condition degradation
- Execution goals
  - Minimum 2% PRV,
  - Target ave 4%PRV
- Buy down \$1B O&M FOCUS-backlog

### Details

**Objective:** Recapitalize AFRC facilities to meet critical mission requirements  
**Measures:** Program funding vs. 2%-4% PRV (\$144-\$288M/yr) to maintain facilities  
**Data Source:** Execution, FY22 PB; POM

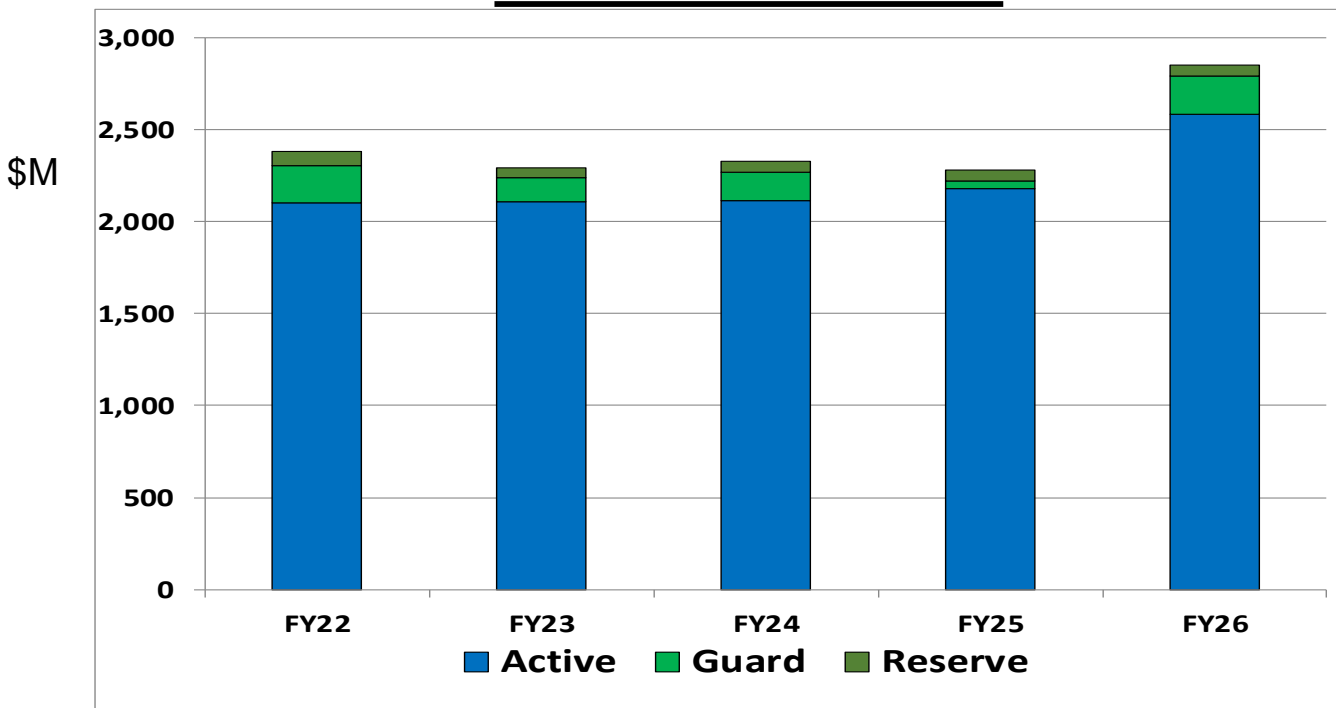
**Goal: Invest 2-4% of PRV per year to maintain Physical Plant**



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# MILCON FY23 POM

## Total Force MILCON



**AFRC MILCON TOA across FYDP = \$313.1M (2.6%)**

ASSESSMENT

<b>FY 22</b>	
Active	88.4%
Guard	8.3%
Reserve	2.9%

<b>FY 23</b>	
Active	92.0%
Guard	5.7%
Reserve	2.3%

<b>FY 24</b>	
Active	90.9%
Guard	6.5%
Reserve	2.5%

<b>FY 25</b>	
Active	95.5%
Guard	1.9%
Reserve	2.7%

<b>FY 26</b>	
Active	90.6%
Guard	7.2%
Reserve	2.2%

### Countermeasure

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

15 Oct 2021

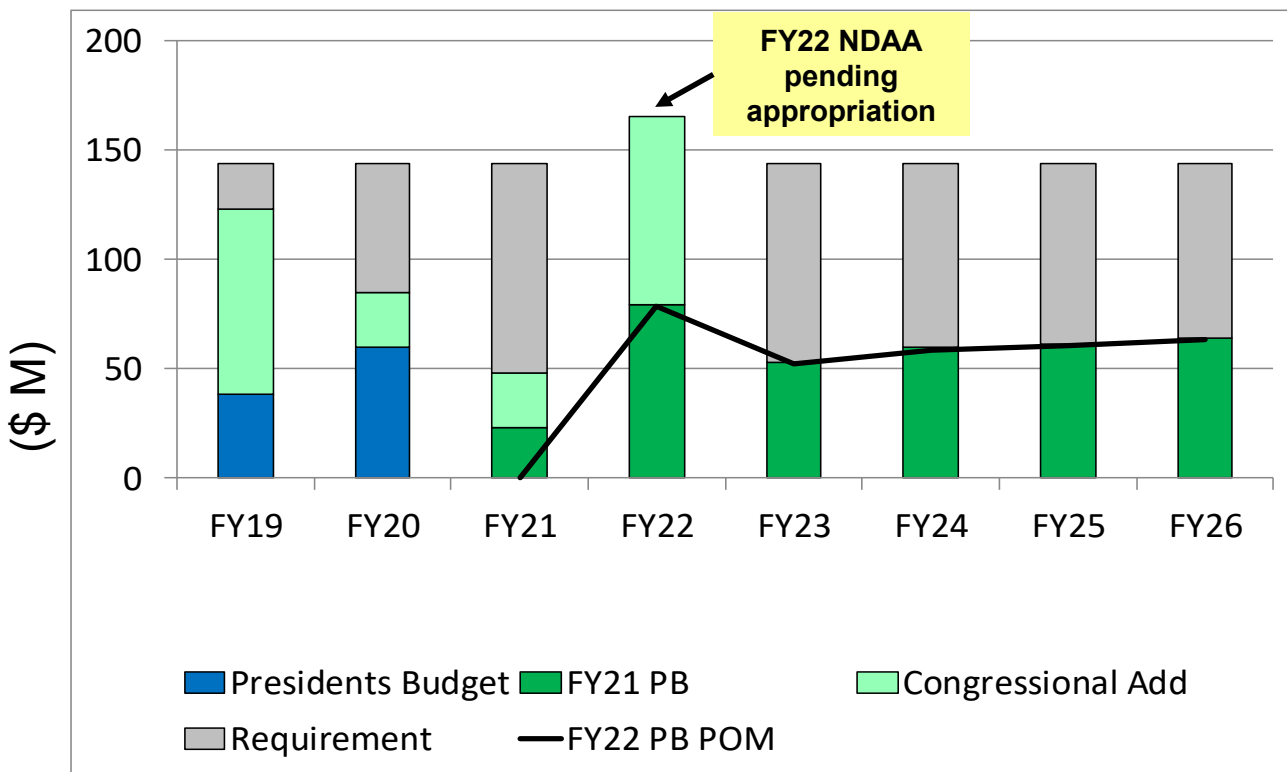
### Details

**Objective:** Recapitalize AF facilities to meet critical mission requirements  
**Measures:** Program MILCON, P&D, and UMMC funding; Target equity 2.9%  
**Data Source:** FY22 PB POM position / ABIDES

**GOAL: AFR minimum equity at 2.9% MILCON TOA**



# MILCON Program Funding



ASSESSMENT

### Analysis

- Ave MILCON funding past 20 yrs = \$61M/yr
- FY19 – Congressional Adds = \$84.8M; 4 Projs
- FY20 – Congressional adds = \$24.8M; 2 Projs
- FY21 – Congressional add = \$25M NM F-35 Squad Ops
- FY22 – 4 Current Mission Projs + 4 adds via FY22 NDAA
- HAF committed to ARC equity each yr of FYDP

### Countermeasure

- Ensure min equity 2.9% of TOA
- Ensure priorities reflected in FYDP project list

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

### Details

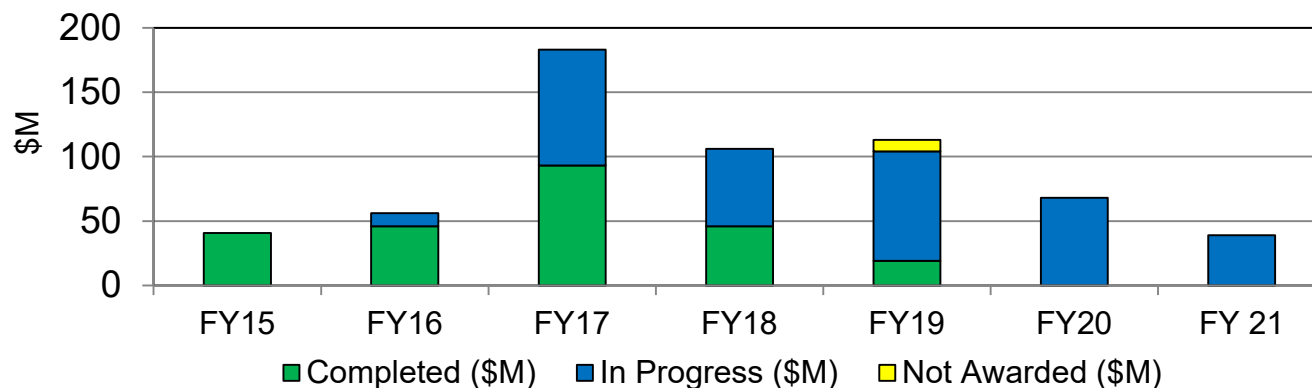
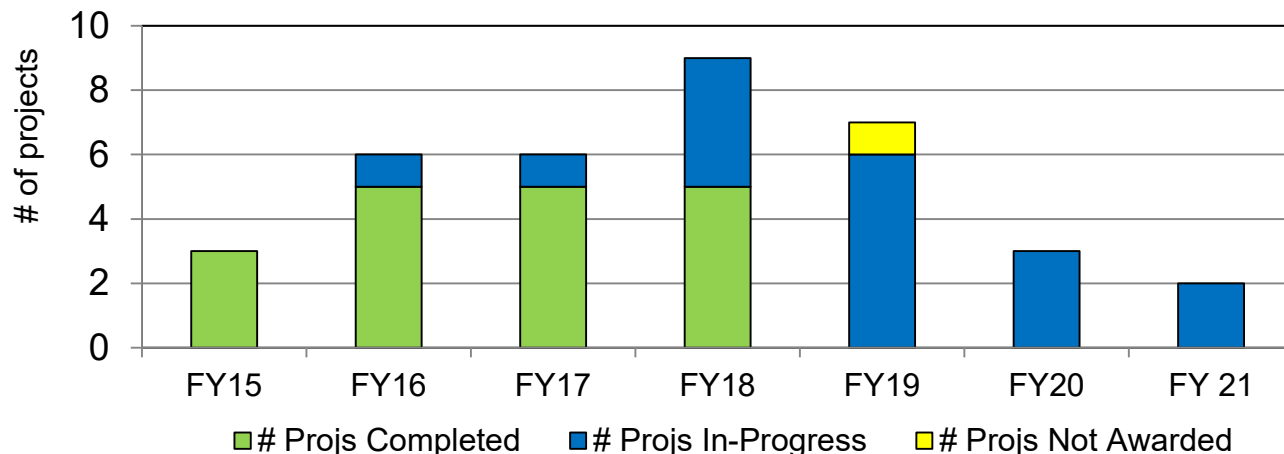
**Objective:** Recapitalize AFRC facilities to meet critical mission requirements  
**Measures:** Program regular, P&D, and UMMC funding vs. \$144M requirement to buy down \$890M backlog, ensure minimum of 2% PRV (recap MILCON+FSRM)  
**Data Source:** Execution, FY19-21 PB, FY22 PB POM



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# MILCON

## Number of Projects and Dollar Value



### Analysis

- Goal: Award project in year of appropriation
- AFRC at or above equity funding target FY15-FY21
- FY18: 3 projects added as programmatic plus-up
- FY19: 4 projects added as programmatic plus-up
  - 1 projs not-awd'd; Y-twn gate
- FY20: 2 projects added as programmatic plus-up
- FY21: 1 project added as programmatic plus-up

### Countermeasure

Begin MILCON design early  
 -35% before FYDP entry  
 -100% before FY of Approp

Ensure AFRC receives minimum equity (2.9% of total AF program)

ASSESSMENT

### Details

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

**Measures:** MILCON execution in year of appropriation

**Data Source:** FY15-21 actual execution

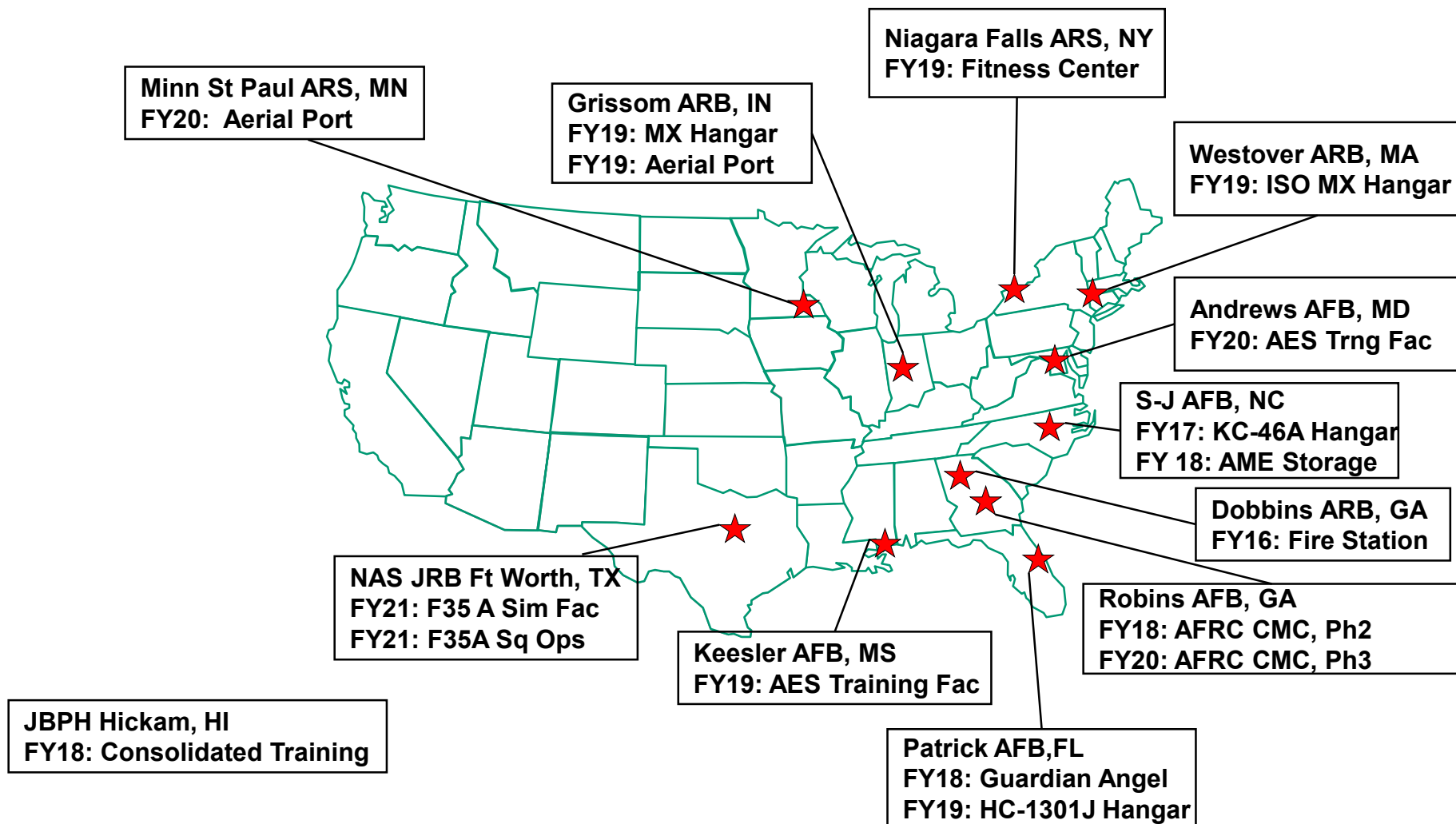
**LRPs:** AFI 32-1020



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# MILCON

## Projects Under Construction



**17 Projects: \$355M Under Construction**





# MILCON FY21-23 Current Program

FY (XX)	Base	State	Title
21	Fort Worth	TX	F-35A Simulator Facility
21	Fort Worth	TX	F-35A Squadron Operations/AMU
22	Niagara Falls	NY	Main Gate
22	Patrick	FL	Recovery Filght Simulator
22	Homestead	FL	Corrosion Control Facility & Wash Rack
22	Minneapolis-St Paul	MN	Mission Support Group Facility
22	Beale	CA	940 ARW SQ OPS & AMU Complex
22	Grissom	IN	Logistics Readiness Complex
22	Youngstown	OH	Assault Runway
23	Beale – to FY22	TBD	Pending MILCON Wrk Grp

**Congressional Adds in FY22 Make Room for KC-46 Beddown in FY24**

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

add to FY22 via NDAA pending Approp



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# MILCON FY24-27 Projection

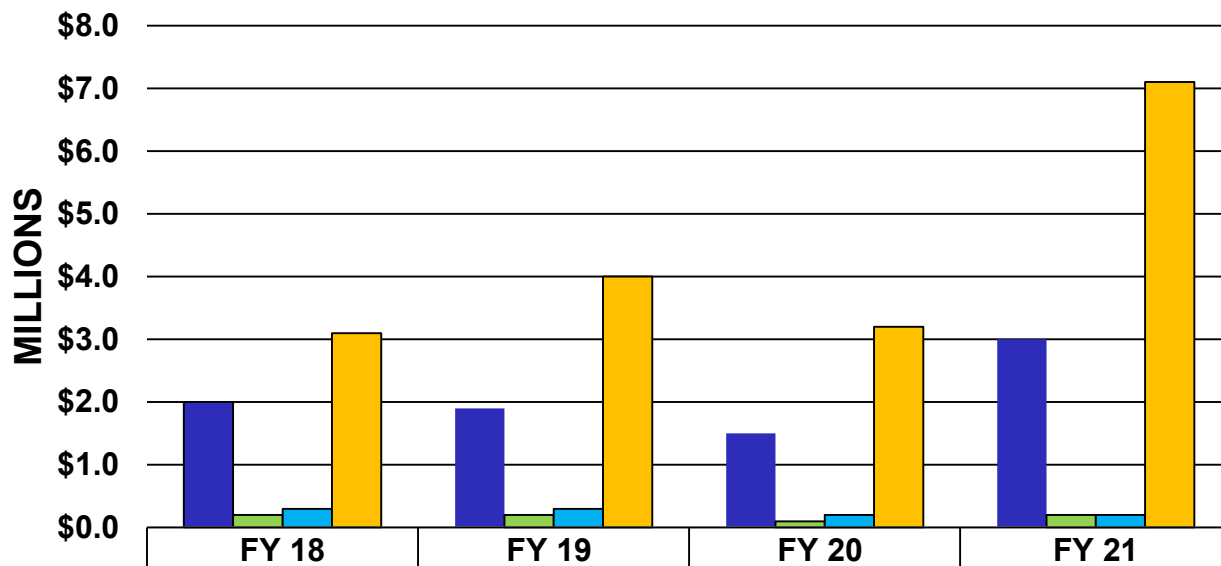
FY (XX)	Base	State	Title
24	Grissom – to FY22	TBD	Insert KC-46 MOB 5 pending announcement
24	Youngstown –to FY22	TBD	Insert KC-46 MOB 5 pending announcement
25	Homestead	FL	Weapons Load Training Facility
25	Dobbins	GA	94 LRS Facility
26	Grissom ARB	IN	Indoor Small Arms Range
26	JRM-Andersen	GU	Aerial Port Facility
26	Ft Worth	TX	LRS Warehouse
27	Dobbins	GA	Security Forces Facility
27	Peterson	CO	Consolidated Mission Complex
27	Charleston	SC	Aeromedical Evacuation Facility

**Notional Program: Pending Future Adjustments**



# Environmental Programs FY21 Funding

## ENVIRONMENTAL FUNDING



	FY 18	FY 19	FY 20	FY 21
■ Compliance PB	\$2.0	\$1.9	\$1.5	\$3.0
■ Pollution Prevention PB	\$0.2	\$0.2	\$0.1	\$0.2
■ Conservation PB	\$0.3	\$0.3	\$0.2	\$0.2
■ AFRC Insourced Funding	\$3.1	\$4.0	\$3.2	\$7.1





# *Environmental Programs*

## *PFOS/PFOA*

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- **Drinking water at all AFRC installations tested and meets EPA health advisory standards**
  - **Ground water Site Investigations found localized contamination at all AFRC installations**
  - **Remedial Investigation efforts in progress**
  - **Disposal of PFOS/PFOA containing material (i.e. soil, water, etc.) is a concern**
    - **Method**
    - **Cost**
    - **AF guidance required**
  - **AF centrally manages PFOS/PFOA at AFCEC**  
(<https://www.afcec.af.mil/WhatWeDo/Environment/Perfluorinated-Compounds>)
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# *Environmental Programs*

## *Climate Planning Activity*

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- **DAF Climate Plan expected by 1 Jan 2022**
- **AFRC incorporating climate assessments**
  - **Phase 1 & 2 Climate Hazard & Risk Assessments done for Major AFRC Bases (5)...working 4 AFRC Stations**
  - **Participating in HAF climate working groups**
- **Opportunities transitioning into action**
  - **Office of Local Defense Communities Cooperation (OLDCC) alternative for “climate” plans**
  - **Need to have Proactive projects for FSRM funds**
- **7 of 9 AFRC Local Communities have an “Established Relationship” with OLDCC**

**Near-term goal 100% participation by all Host AFRC Installations**



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# Installation Operations Installation Energy Plans (IEPs)

AFRC IEP Tracker					
	Installation	Funded	Site Visit	20%/Wkshp	Final
Phase 1	Dobbins	Sep-21	Dec-21	Feb-22	Aug-22
	Youngstown	Sep-21	Jan-22	Mar-22	Oct-22
	Pittsburgh	Sep-21	Jan-22	Mar-22	Sep-22
	Minn/St. Paul	Sep-21	Feb-22	Apr-22	Q4 FY22
Phase 2	March	Jan-22	Apr-22	Jun-22	Q2 FY23
	Westover	Jan-22	Jun-22	Aug-22	Q2 FY23
Phase 3	Grissom	Q4 FY22	Q1 FY23	Q2 FY23	Q4 FY23
	Homestead	Q4 FY22	Q1 FY23	Q2 FY23	Q4 FY23
	Niagara Falls	Q4 FY22	Q1 FY23	Q2 FY23	Q4 FY23
	Complete				
	Planned				
	Projected				

- **Key foundational plan for Energy Assurance for the installation**
- **Identifies future requirements to close gap or improve Base Resiliency**
- **Contracted through Office of Energy Assurance w/ Army Corps of Engrs**

**Goal: IEPs completed for all Host AFRC Installations by FY23**



## *Where Do I Get More Info?*

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- Request for Information (RFI)
  - Sources Sought Synopsis
  - Pre-solicitation Notices
  - Award Notices
  - Requests for Quotes/Proposals
    - Government-wide Point of Entry (GPE)
      - <https://sam.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)**