United States Air Force Reserve

Integrity - Service - Excellence

Air Force Reserve Facility Update Briefing

HQ AFRC/A4C
Civil Engineer Division
15 Jan 2020

U.S. AIR FORCE
AFRC Overview
AF Facility Infrastructure Investment Strategy (I2S)
MILCON
Facility Sustainment, Restoration & Modernization (FSRM)
Installation Operations
Environmental Programs
Legislative Language / New Reporting Requirements
Points of Contact
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**
Deliver basing and logistics capabilities to fight and win in air, space, and cyberspace

**VISION**
One agile team of Logisticians, Engineers and Defenders integral to the combat ready force
AFRC Overview
Civil Engineer Division

AFRC/A4A
Col Hickman

AFRC/A4C
Bob Staib

AFRC/A4-2
Col Deloughery

A4CA
Env & Asset Acct
Earl Aler

A4CO
Installation Ops
Ray Knapek

A4CD
Prgm Dev
Mike Klug

A4CM
Prgm Mgmt
Scott Wall

A4CE
Emerg Svcs
Tom Morris

A4CX
Readiness
LtCol Hammond

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

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 Emerg Services
- Fire Emerg Svrs
- EOD
- Emergency Mgmt & CBRN

Organize, Train & Equip CE Forces
- CE Force Posture & Skills Training
- RED HORSE
- Prime BEEF

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

### Scope of Responsibility

**AFRC/A4 Mission Scope**

- Responsible for policy, budget and oversight
  - Aircraft maintenance
  - Logistics, supply, aerial port, transportation, munitions
  - Civil Engineering
  - Security Forces
- 33,000 personnel
- Supports >300 aircraft
- $2.2 billion annual operating budget

**Facility Inventory**

- Number of Locations
  - 9 Host
  - 53 Partner locations
  - 4 Ranges
- Acreage = 21K*
- Total Facilities = 2,741 (1,199 Blgs)**
- Plant Replacement Value = $7.25B**
- Facility area: 13.3MSF**
- Average Facility Age: 33.4 years

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* Host Only
** Host + Partner locations
AF Strategy
CE Strategic Alignment

CE Annex to the Basing & Logistics Flight Plan
Describes enduring Air Force Civil Engineer capabilities and outlines how the CE Enterprise enables the Air Force core missions by providing ready engineers, resilient power projection platforms, and an agile and innovative environment to develop and empower Airmen.

Infrastructure Investment Strategy
Describes the investments and actions required to restore readiness to our power projection platforms, modernize our infrastructure, and drive innovation in installation management.

Human Capital Roadmap
Synergizes the diverse human capital initiatives required to carry out the I2S and revitalize CE squadrons, while driving towards the enduring CE capabilities described in the CE Annex.

Revitalize CE Squadrons Initiative
Identifies areas of improvement that would close current gaps in squadron capabilities and prioritizes investments of greatest immediate benefit to what CSAF would call “the beating heart” of our CE community...foundational to providing CE enduring capabilities and an imperative to achieving the I2S goals.
Moving From “Worst First” to “Risk Based” Facility Investments

AF Strategy
Infrastructure Investment Strategy (I2S)

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

Lines of Effort:
- Restore Readiness to Power Projection Platforms
  - Ensure Airbase Resiliency
  - Prioritize Repair of Mission-Critical Infrastructure
  - Enhance Strategic Basing Posture
  - Strengthen Installation Planning
- Cost Effective Modernization of Infrastructure
  - Pursue Proactive Infrastructure Investment
  - Implement Standard Designs
  - Improve (Front-End) Acquisition and Programming
- Drive Innovation in Installation Management
  - Employ Partnerships and Third-Party Finance
  - Utilize Facilities Management Technologies
  - Exploit Category Management
  - Leverage New Authorities
**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**

**We are right-sizing our installations…**

- Greater reliance on O&M FSRM funds
- Using consolidation and renovations to optimize footprint
Delivering sustainable, defendable, repeatable facility solutions
### Program Development

**FOCUS: 6-year Cycle**

<table>
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<tr>
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<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
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<td>Moody</td>
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</table>

- Adjustments can be made based on Wing requests
- Deploy “mini-FOCUS” in-house teams to small tenants (Hickam, Moody)
AFRC Overview
FY 19 Accomplishments

- 3rd largest MILCON program in AFRC history!
  - FY17: 6 projects, $188.95M
  - FY18: 9 projects, $137.6M
  - FY19: 7 projects, $122.86M

- Four major weapon system beddowns in progress
  - KC-46A @ Seymour-Johnson AFB, SC
  - C-17s @ Pittsburgh ARS, PA
  - KC-135s @ Niagara Falls ARS, NY
  - F-35A @ NAS JRB Fort Worth, Texas

- Robust FSRM program
  - FY19: 194 projects, $142M
  - 1.5 times PB; ~2% of PRV

- Partner w/ Louisville District Army Corps of Engineers

Total Recap Investment = 3.6% PRV (includes CM MILCON & FSRM)
**MILCON**

**FY21 POM Position**

### Total Force MILCON

- **FY 21**
  - Active: 91.9%
  - Guard: 6.0%
  - Reserve: 2.1%
- **FY 22**
  - Active: 91.1%
  - Guard: 6.6%
  - Reserve: 2.3%
- **FY 23**
  - Active: 90.9%
  - Guard: 6.7%
  - Reserve: 2.4%
- **FY 24**
  - Active: 91.3%
  - Guard: 6.4%
  - Reserve: 2.3%
- **FY 25**
  - Active: 90.7%
  - Guard: 6.9%
  - Reserve: 2.4%

**AFRC MILCON TOA across FYDP = $251.2M**

- Projects = 196.1M
- P&D = $19.4M
- UMMC = $35.7M

### Details

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

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

**Data Source:** FY21 PB POM position / ABIDES

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

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**Analysis:**

- Ensure HAF committed to ARC equity in each year of FYDP
**Objective:** Recapitalize AFRC facilities to meet critical mission requirements

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

**Data Source:** Execution, FY18-20 PB, FY21 PB POM

**Analysis**

- Ave MILCON funding past 20 yrs = $61M/yr
- FY18 – Congressional Adds = $74.1M; 3 Projs plus P&D and UMMC
- FY19 – Congressional Adds = $84.8M; 4 Projs
- FY20 – Congressional adds TBD
- FY21 - F-35A New mission ($37.2M)
- HAF committed to ARC equity in each year of FYDP

**Countermeasure**

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

**Details**

All numbers are programmed amounts and include P&D and P341 funds.
Ensuring our installations are ready, capable & viable

2019 – 2808 Project Deferrals
2 FY18 projects: Sy Johnson add/alter Storage ($6.4M) and JBPH Hickam Consolidated Training ($5.5M)
## MILCON

### FY19-21 Current Program

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<th>Title</th>
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<td>IN</td>
<td>Add/Alter Aircraft Maintenance Hangar</td>
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<td>19</td>
<td>Niagara Falls IAP</td>
<td>NY</td>
<td>Physical Fitness Center</td>
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<td>Keesler</td>
<td>MS</td>
<td>Aeromedical Staging Squadron Facility</td>
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<td>Patrick</td>
<td>FL</td>
<td>HC-130J MX Hangar</td>
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<td>19</td>
<td>Grissom ARB</td>
<td>IN</td>
<td>Aerial Port Facility</td>
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<td>19</td>
<td>Youngstown</td>
<td>OH</td>
<td>Relocate Main Gate</td>
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<td>19</td>
<td>Westover ARB</td>
<td>MA</td>
<td>Regional ISO MX Hangar</td>
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<td>Robins</td>
<td>GA</td>
<td>Consolidated Mission Complex Phase 3</td>
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<td>Fort Worth</td>
<td>TX</td>
<td>F-35A Simulator Facility</td>
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<td>21</td>
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<td>TX</td>
<td>F-35A Squadron Operations/AMU</td>
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* Unspecified Minor Military Construction $2M to $6M
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<th>FY (XX)</th>
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<th>Title</th>
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<td>Simulator C-130J</td>
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<td>Homestead ARB</td>
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<td>Corrosion Control Facility &amp; Wash Rack</td>
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<td>Aerial Port Facility</td>
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<td>AES Training Admin Facility</td>
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<td>25</td>
<td>Dobbins ARB</td>
<td>GA</td>
<td>94 LRS Facility</td>
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** Green Projects indicate FY20 UPL projections
**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, FY20 PB, POM

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**Analysis**

- FY19 PB: $88M
- $300M FY19 FSRM IPL approved; executed $142.0M
- 6 yr obs avg: $171M/yr
- Execution goal between 2%-4%PRV ($144-$288M)
- Program position below requirement
- Buy down $1B O&M FOCUS-validated backlog
- Budget constraints drive IPL importance & discipline

**Countermeasure**

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

**Investing 2-4% of PRV - Keep Good Facilities Good**
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, FY20 PB; POM

Goal: Invest 2-4% of PRV per year to maintain Physical Plant
Installation Operations
Program Responsibilities

- 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 – Installation Energy Plans

- Items of Interest:
  - BOS Contract Re-competes (Service Disabled Veteran Owned Small Business)
  - Sustainment Management Systems
Four Installations on 1-year interim contracts

Re-compete in 2020 for five-year contracts (base year with four 1-yr options)

- Westover ARB, MA; Niagara Falls ARS, NY
- March ARB, CA; Homestead ARB, FL

Includes multiple functions:
- Real Property Maintenance
- Base Supply, Fuels Mgmt, Traffic Mgmt, Veh Mgmt
AFRC is on track and doing well!
- 100% BUILDER implemented across host installations
- Met revised 2018 FCA target of 75% of critical facilities w/MDI > 60

All future MILCON and Major Renovation Construction Specs to include gathering and providing BUILDER data

Ruggedized tablets at two installations; updates not reflected

Postured for SMS implementation for horizontal systems
- Pavements data loaded in PAVER
- Linear Segmentation of Utility Systems completed

Lots of data; beginning to assess utility of SMS to drive investment decisions

Continue to mature SMS for standardized DOD facility asset management
## Facility Condition Index

“Big 7” BCI FY19

<table>
<thead>
<tr>
<th>Component Condition Index</th>
<th>Dobbins</th>
<th>Grissom</th>
<th>Homestead</th>
<th>March</th>
<th>MSP</th>
<th>Niagara</th>
<th>Pittsburgh</th>
<th>Westover</th>
<th>Youngstown</th>
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### Analysis
- “Big 7” components best reflect customer facility experience – quality of life
- Avg BCI includes 18 components assessed by AFRC
- Numbers are averages across AFRC host base facilities
- Report date: 2 Dec 19

### Countermeasure
- FOCUS Visits
- BCE Staff perform assessments
- Assess - 20% annually
- Update facility component data – work orders

### Details
- **Objective:** Inventory and Assess all AFRC Facilities
- **Measures:** Quarterly monitoring of completion rates
- **Data Source:** BUILDER Final 9 Report
## Facility Condition Index
### “Big 7” BCI Delta from FY18

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### Analysis
- Blue shows positive change in condition index
- Red is negative change in condition index
- Report date: 2 Dec 19
- Delta is from 2018 OSD brief

### Countermeasure
- FOCUS Visits
- BCE Staff perform assessments
- Assess - 20% annually
- Update facility component data – work orders

### Details
- **Objective:** Inventory and Assess all AFRC Facilities
- **Measures:** Quarterly monitoring of completion rates
- **Data Source:** BUILDER Final 9 Report
Environmental Programs

Env Quality, Asset Mgmt, Real Property

- 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
### Environmental Programs FY20 Funding

#### Complying With Law

- **Greening Installations**

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AFRC AFFF (PFOS/PFOA)

- Old Aquious Film Forming Foam (AFFF), used as a fire fighting agent, contains perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA)
- 100% old AFFF removed and replaced from AFRC’s equipment and host-installation facilities
- Drinking water at all AFRC installations tested and meets EPA health advisory standards
- Ground water Site Investigations (SI) found localized contamination at all AFRC installations
- SI results will be used to prioritize Remedial Investigation efforts (next phase)
- AF centrally manages PFOS/PFOA at AFCEC (https://www.afcec.af.mil/WhatWeDo/Environment/Perfluorinated-Compounds)
FY20 HAC-MILCON Subcommittee Report on NDAA
- SAF directed AFRC to conduct risk assessment on AFR hangars and develop plan to update these facilities in 21-25 FYDP
- Identical request received in FY18 MILCON bill and responded to

2019 Evaluation complete and report submitted to HAF
- AFRC continues to support FSRM repairs
- Hangar repairs compete favorably within annual budget

Besides new mission hangars, current MILCON plan:
- Grissom- Nose Dock 5 (funded in FY19 - $12.1M)
- Westover ISO Hangar (funded in FY19 - $42.6M)
- Patrick HC-130J Hangar (funded in FY19 - $24M)
- Homestead Corrosion Hangar (programmed for FY22)
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
- AF Budgets – current and historical
HQ AFRC/A4C POCs

- A4C: Civil Engineer Division; Mr Bob Staib, Col Cheryl Deloughery
  robert.staib.1@us.af.mil; (478) 327-1102
  cheryl.deloughery.1@us.af.mil; (478) 327-1080

- A4CD: Program Development; Mr Mike Klug
  michael.klug@us.af.mil; (478) 327-1108

- A4CM: Program Management; Mr Scott Wall
  marshall.wall@us.af.mil; (478) 327-1035

- A4CA: Environment/Asset Accountability; Mr Earl Aler
  earl.aler@us.af.mil; (478) 327-1070

- A4CO: Installation Operations; Mr Ray Knapek
  raymond.knapek@us.af.mil; (478) 327-1030

- Each unit has a Project Manager (PM) assigned for:
  - Program Development (project planning and approval)
  - Program Management (project award & construction)