

460th Civil Engineer Squadron

Buckley AFB Project Update



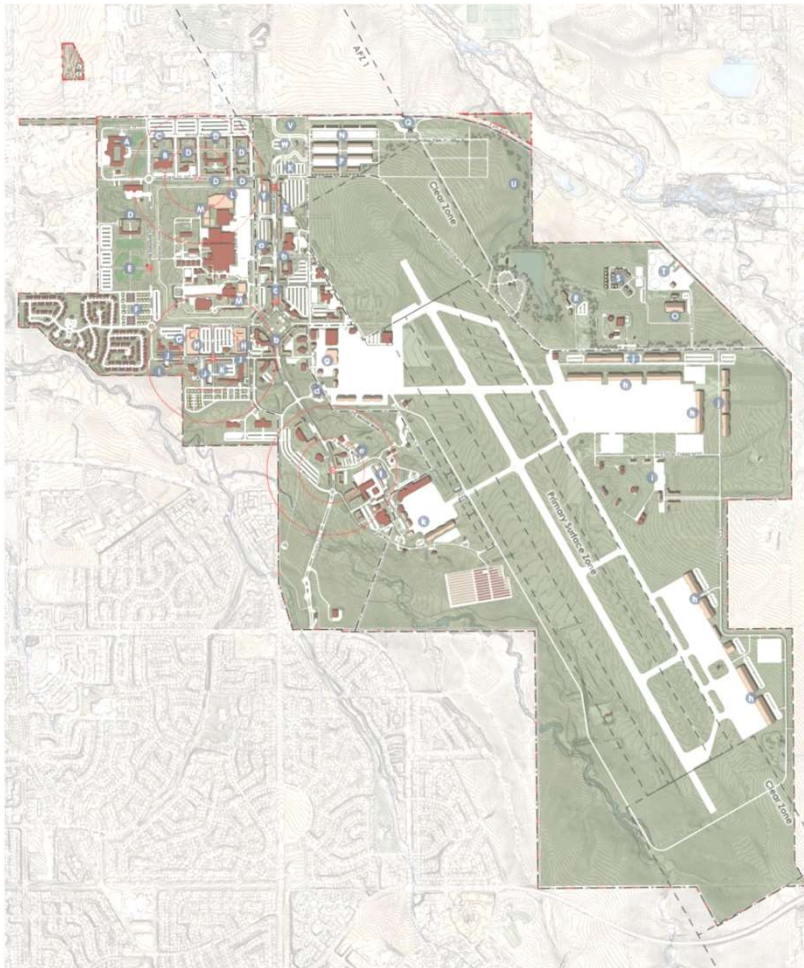
**Lt Col Christopher Eyle
Base Civil Engineer, Commander
460 CES**

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Buckley AFB Overview

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- Location = City of Aurora, Arapahoe County, CO
- Area = 3,283 Acres
 - Improved Grounds = 53 Acres
 - Semi-improved Grounds = 337 Acres
 - Unimproved Grounds = 2,771 Acres
- Plant Replacement Value = \$2.1B
- Facilities = 937 / Buildings = 225
- Dormitories = 2 (380 rms: B28 236 rms/B205 144rms)
- Privatized Housing (Hunt) = 351 units (95+% occupancy)
- Runway = 11K feet / 201K SY
- Taxiways = 188K SY
- Pavement = 1.2M SY (248 Acres)
- Restricted Area Emergency Generators, 4 x 1 MWatts
 - Power Independence Resiliency = \$37.8M SBIRS Operations Facility (SOF)
- Air Conditioning = 12.6K Tons
- Installation Development Plan, June 2013
 - 2/5 ADP's in process of upgrade

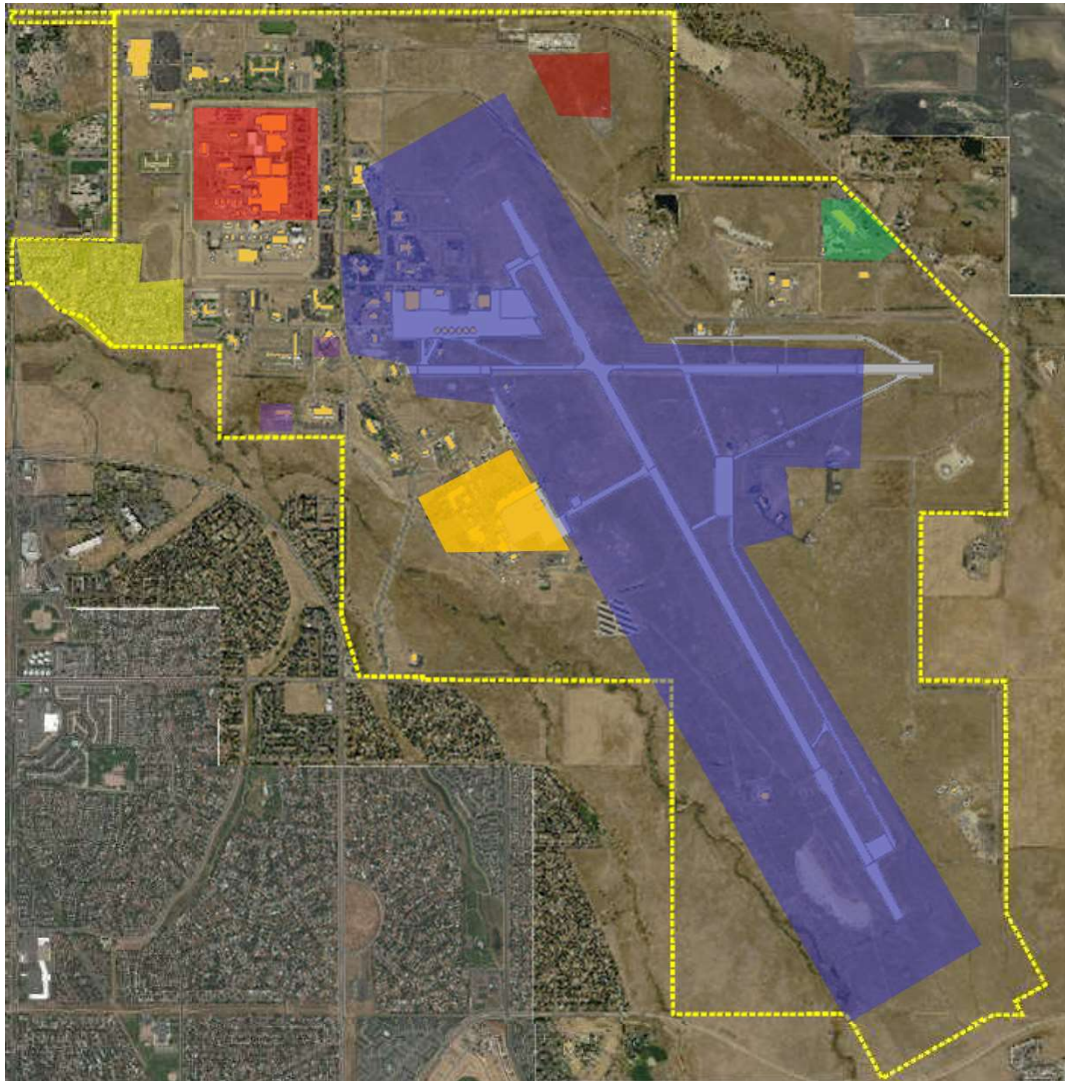
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Base Operating Support

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Areas Maintained by Others:

- ADF-C (NRO)
- 140 ANG
- ARNG
- NOSC
- MDG
- Hunt
- Blue Marlin

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Base Operating Support

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Major tenants (ANG, ARNG, Navy, ADF-C) each have their own varying levels of BOS

- 460th Space Wing serves all tenants in some element of BOS
- BOS billets not fully funded by tenants – a total of 23 of the 194 CES positions are funded by NSA

460 CES provides all or some typical CE support to all tenants:

- Environmental Engineering: HAZMAT/HAZWASTE / Natural & Cultural Resource Management / Recycling / Permits
- Engineering: Facility Design / Construction Management / Energy Resiliency / Project Planning & Programming / Community Planning
- Operations: Utilities / Service Contracts / Snow and Ice Removal / RP MX
- Emergency Management: Natural-Manmade Disaster Recovery / CBRN Detection and Protection / EOC Operations
- Accompanied and Unaccompanied Housing
- Fire and Emergency Services: Flight line Crash Rescue / Structural Response / Medical Response (at Paramedic level) / Fire Training-Prevention

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460 CES Project Overview

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- **Awarded/Ongoing**
 - **15 FSRM/MILCON Projects valued @ ~\$74M**
- **FY20 to be awarded**
 - **~ 20 projects @ ~\$20M**
 - **Some are centrally funded/others from Command/User**
- **Annual Operations and Maintenance Budget ~ \$6M**

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FY20 FSRM Project Overview

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- **Total FY 20 Program: ~ \$20M**
 - **Central Funding: 13 Projects**
 - **Construct Comm Duct Banks**
 - **Convert Warehouse to Visitor Center**
 - **Repair by Replace HVAC bldg. 730**
 - **Repair Power Plant Control Systems**
 - **Install Fire Hydrants**
 - **Repair by Pipes, Valves, and Pumps for Fuel Tank**
 - **Repair Facility Roofing, Cladding, Foundation**
- **Other Funding: Various Smaller Projects**
- **Includes Paving/HVAC/Paint/Carpet/Facility Systems**

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Current MILCON

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- **FY18 SBIRS Operations Facility (SOF), ~\$37M (Awarded)**
 - AFSPC's #1 FY18 MILCON project
 - Awarded Dec 2018
 - Provides SBIRS MCS with its own backup generators)
 - Provides "power independence"
 - Current average load = 1.0 MW
 - Builds new @61K SF admin support facility: demo's B429/431
 - Includes SCIF'd Ops Floor training simulator
 - B429 (built in 1974) roof deflects with heavy snow load (6 inch)
 - Construction start in Winter 19/20 w/2 year POP
- **FY19 UMMC (<\$6M) Large Vehicle Inspection Point (ECP)**
 - Moves Commercial inspection point to 6th Ave
 - Meets AT/FP requirements
 - Mississippi Gate does not comply with AT/FP standards and represents a significant safety/security issue
 - Does not have adequate queuing capacity, debris cordon extends into off-base neighborhoods, inspections in full sight
 - Expect award project in Winter/Spring of 2019

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FUTURE MILCON

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NexGen Mission Control Center (\$50-250M)

Power Resiliency – RA (\$5-25M)

Basewide Electrical Infrastructure Resiliency (\$25-100M)

Resilient Water Supply and Fire Protection (\$25-100M)

NE Side Sanitary Sewer Water Infrastructure (\$25-100M)

NE Side Natural Gas Infrastructure (Unk)

Consolidated Base Warehouse (Unk)

Joint Vehicle Maint and Wash Rack Facility (Unk)

Duct Lines on East Side (Unk)

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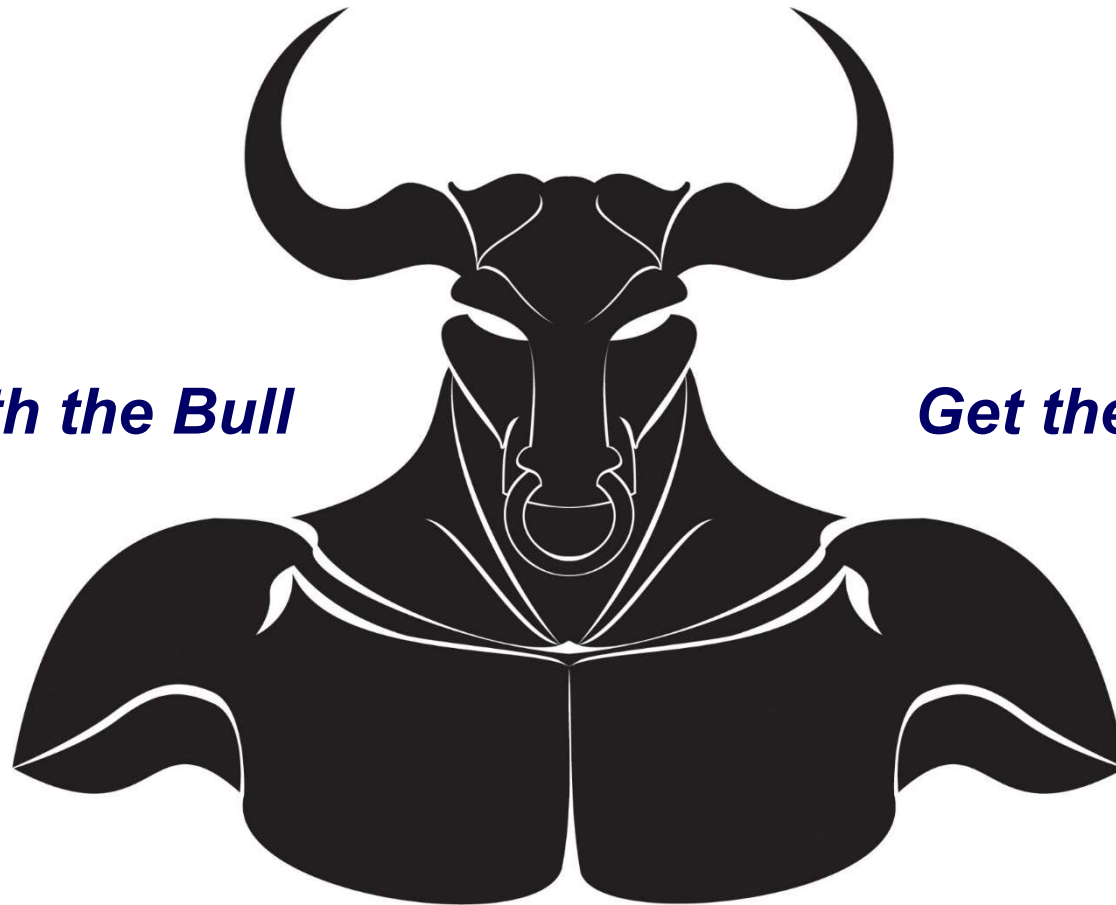


CONCLUSION

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Mess with the Bull

Get the Horns



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