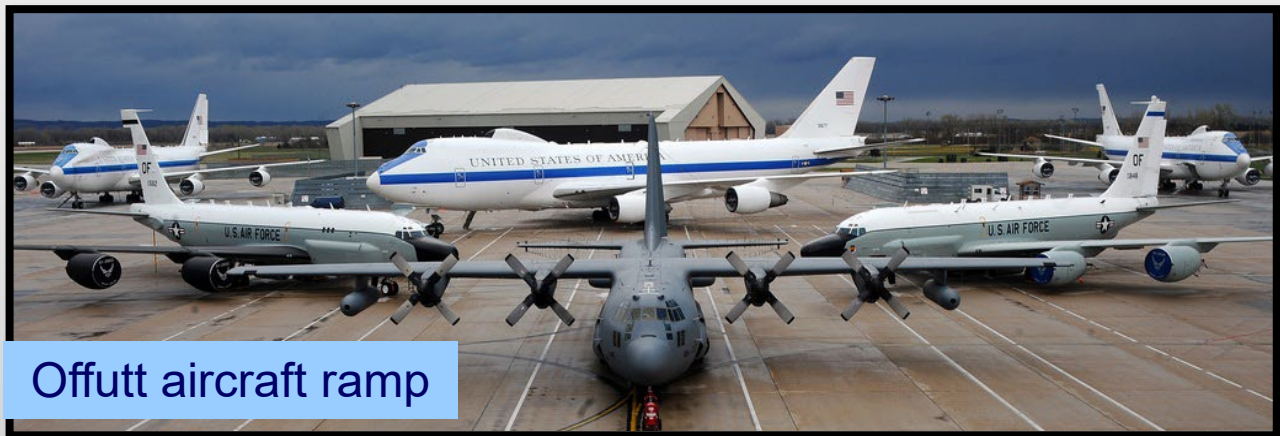




55th Civil Engineer Squadron

Society of American Military Engineers Missouri River Joint Engineer Training Symposium

Mr. Gary Chesley, P.E., F.SAME
Director, 55th Civil Engineer Squadron
Offutt Air Force Base, Nebraska
27 May 2026



Offutt aircraft ramp



EA-37B

HQ USSTRATCOM
Command & Control Facility



15 March 2019



55 CES Vision: Safely provide uninterrupted facilities, utilities, and emergency services.

Roles: Infrastructure Engineering, Fire Emergency Services, Emergency Manager, CBRN training, Housing/Dorms, Environmental, Real Property



\$7.34B of infrastructure
3,633 acres
1,769 facilities
3.4 M sq yards of pavement



\$1B
construction
& service
contracts



468 dorm rooms

1,953
Privatized
Homes



Mutual Aid Agreement w/
32 local communities

Support 55th Wing, 53 tenant units & 57,000 customers



Natural Disaster Recovery – MILCON completed

209,000 sq ft construction placed; 16/27 facilities completed (30% of floor space)



Base Lake Recreation Center



Security Forces Campus



Demo/Site Prep



Flightline Ops, Fuels, LOX, Mx, Deicing facilities



Logistics Readiness



Natural Disaster Recovery MILCON- Under Construction



NC3 Alert



Family Visitation Center



Aircraft Maintenance / Parts Storage





Natural Disaster Recovery – MILCON Under Construction

SATCOM / MILSTAR



Non-Kinetic Operations (NKO)





Natural Disaster Recovery – O & M under construction

E4-B hangar 565 Repairs



B504 Build-back





55th Civil Engineer Squadron

FY26 Decentralized Funded Projects (\$18M+)

Power Restoral Hydrant Fuels Area B531 (<\$500K)

Replace Transite Line Looking Glass Ave (<\$500K)

Airfield Rubber Removal & Paint Marking (<\$150K)

Repair Airfield Trestle F312 (<\$600K)

Replace Expansion Joints B456 (<\$100K)

Repair Power Plant Engine #6, B518 (<\$2M)

Repair Airfield Foxtrot Apron Security Lighting (>\$300K)

Repair HVAC B457 (<\$200K)

Replace Boiler #1 B185 (<\$150K)

Repair Nelson Drive Joints/Sealcoat (<\$250K)

Renovate Warehouse B559 (<\$350K)

Repair Field House B321 Locker Rooms/Pool/Entry (<\$5M)

Repair SAC Blvd Mill & Overlay, Storm Drain Inlets (<\$1.5M)



55th Civil Engineer Squadron

FY27 AFCEC Centrally Funded Construction Tasking Order

AFFF to Water Fire Suppression System B491/492 Aircraft docks (<\$5M)

Repair Northeast Stormwater Drainage Ditch (<\$5M)

Repair Northwest Stormwater Drainage Ditch (<\$5M)

Repair Watermains Historic area (< \$5M)

Design-Repair Taxiway Mike North

Replacement Dorms 364 & 365 (<\$150M)

Planning Tasking Order:

Charrette - Demolish B301D (<\$10M)





55th Civil Engineer Squadron

FY27 Decentralized O&M Funded Projects

- Airfield Rubber Removal & Paint Marking (<\$200K)
- Repair Fire Alarm System B500 (\$5M-\$10M)
- Replace Roof B323 (<\$2M)
- Replace Chillers B462 (<\$350K)
- Repair B518 Power Plant Generator #4 (<\$2M)
- Maintain Airfield Asphalt Pavement (<\$2M)
- Replace Air Traffic Control Tower Generator & Power System B583 (\$<1M)
- Replace Chiller B451 (<\$1M)
- Repair Elkhorn Facility (<\$1M)
- Replace Generator, B507 (<\$200K)
- Replace Roof B517 (<\$200K)
- Replace Chiller #2 B500 (<\$3M)
- Construct Pedestrian Crosswalk SAC Blvd at B500 (<\$200K)
- Replace Fire Alarm System B41 (<\$1M)
- Replace Roof B462 Community Center (<\$2.5M)

(42 total FY27 sFSRM projects worth \$45M)



55th Civil Engineer Squadron

FY28-32 MILCON

Vehicle Search, Gate 1, B511 (<\$15M)
Logistics Readiness Warehouse & Transportation Facility (<\$60M)
CES Maintenance Facility & Warehouse (<\$120M)
Cyber Control Center (<\$20M)
USSTRATCOM HQ Nuclear C2 Vehicle Shelter (<\$10M)
USSTRATCOM HQ Total Energy Plant
USSTRATCOM Nuclear Readiness Operations Center
Consolidated Training Complex
Base Operations / Mobility Center (<\$100M)
USSTRATCOM HQ Parking Structure (<\$35M)
USSTRATCOM HQ Life Support Facility
Bellevue Gate (<\$20M)
Kenney Gate (<\$30M)
Hot Cargo Pad, Taxiway
Flight Simulator Training Complex



New Acquisition & Construction Authorities

Ref: FY26 NDAA Sections 2802, 2809; 10 USC §3241, 2808a

The Secretaries, acting through Construction Agents, will maximize the use of Other Transactions (OT) on all stages of repair and construction.

Use competitive procedures to select parties for participation in the original transaction to enable follow-on transactions.

Use collaborative delivery methods like Progressive Design-Build, 2-phase DB

Removed stipulations that the Army & Navy are sole Construction Agents.

May use IGSA for installation-support services/repair of facilities.

Maximize design reuse; adapt existing facility designs for new locations.

Re-evaluate projects for “Major Federal Action;” expand categorical exclusions.

Adopt innovative building techniques; consolidate/bundle OT on similar projects.

Report use of OT, acquisition barriers, unawarded MILCON



55th Civil Engineer Squadron

Multiple Award Construction Contract (MACC)

Administered by the 55th Contracting Squadron and 55 CES

Elkhorn West Construction

Leisnoi Professional Services

MATAI Services

MCL Construction - MRK VII

MDM Construction

Razor Consulting Solutions

Shekar Engineering



A/E Indefinite Delivery/Indefinite Quantity Contracts

12 May posted to SAM.gov with two subsequent amendments

10 Jun submissions due to 55th Contracting Squadron (55 CONS)

4 contracts, by specialty:

Pool 1: Specialized Engineering & Consulting (e.g., Blast, RF Shielding, SCIF/SAPF, Acoustics)

Pool 2: Mechanical & Electrical Engineering

Pool 3: Civil & Structural Engineering

Pool 4: Architecture & Renovation

100% small business set-aside.

5 - year Period of Performance with 5 additional year options

\$49M ceiling on each pool contract



Survivable Airborne Operations Center

2-Bay Hangar – 35% design, award Q3FY28

Ramps & Taxiway, award Q3FY28

Ops & Training Facility, award Q3FY28

Supply Storage

1-Bay Hangar

Fire Station, Dorm, Child Development Center

Demolition

Pursuing Other Transaction Authority

Future Building Maintenance Contracts



E-4C (Boeing 747-8)



\$2B+ SAOC BEDDOWN

RELENTLESS AND READY



Small Modular Reactors

23 Jan 2025 SAF/IEE memo Pathways to Advanced Nuclear Energy:

Named Eielson AFB preferred location micro reactor pilot project.

Set Siting framework, 9 criteria, and governance process to host micro-reactors: Advanced Nuclear Power for Installations (ANPI) initiative.

Down-selected to 7 installations for additional evaluation.

Others can explore local utility opportunities/community partners.

Leverage OPPD partnership and USSTRATCOM's Reliable Power Pillar.

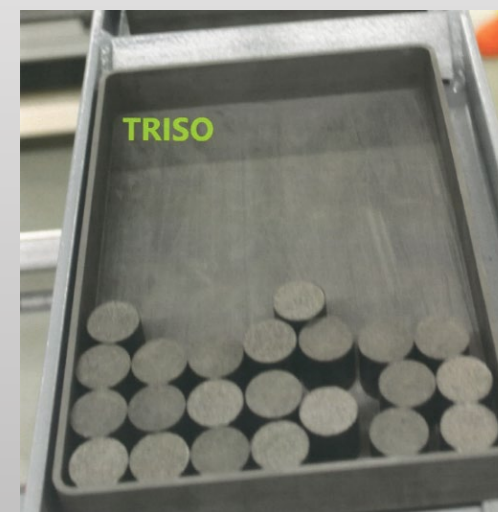
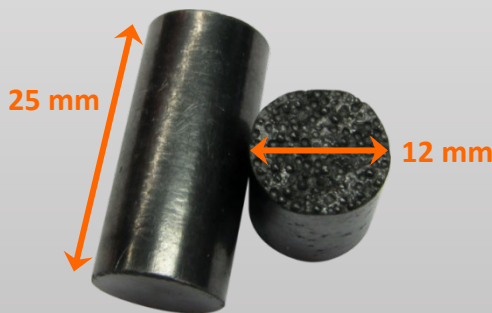
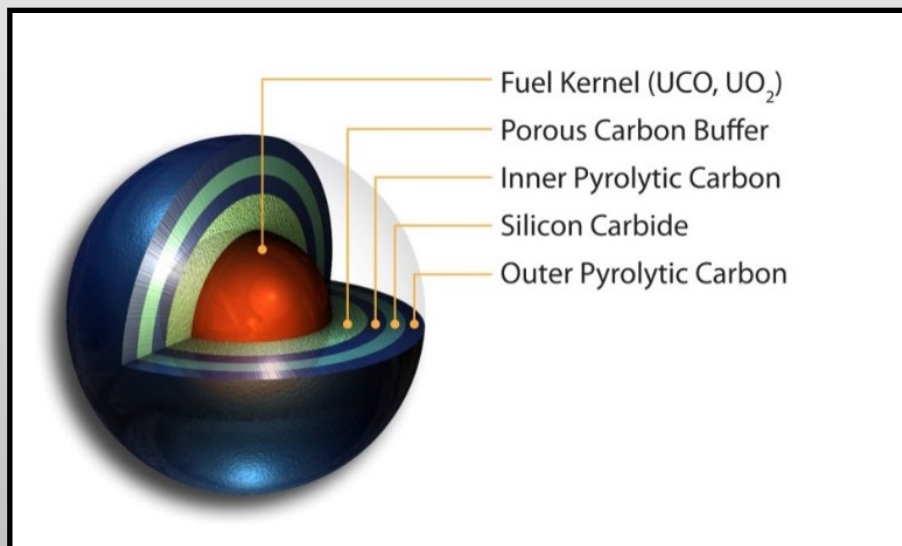


Small Modular Reactors

Incorporate Advanced Tri-structural Isotropic (TRISO) encapsulated nuclear fuel for safe operations.

Robust particle coatings are extremely resistant to meltdown or kinetic destruction.

Department of Energy and NASA have re-established a national TRISO production capability.





Electrical Power Microgrids

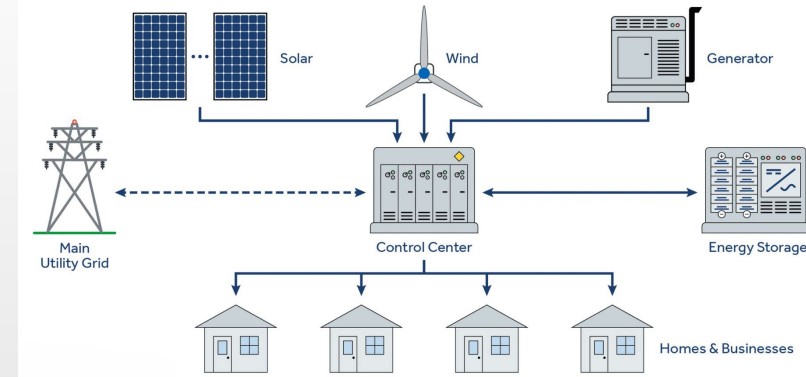
17 Apr 2026 SAF/IE Microgrid Priorities memo:

Ensure energy resilience for mission assurance.

Major Command prioritized lists for evaluation.

Evaluate a microgrid for critical missions with 99.9% availability.

AF/A4C Implementation plan for prioritized investment.



Offutt has a Natural Disaster Recovery microgrid project concept.

4-dual fuel 5.5KW generators, 5 circuits.

35% USACE design paused; OPPD partnership.

Pursue FY27/8 funding in Privatized Utilities.



Developmental Opportunities

Clearing and return of the “3 South” area with Privatized Housing Restructure



“Kouba Property”
97 acres in an
Ag lease

“South Farm”
137 acres in an
Ag lease



55 CES Opportunities

Increasing reliance on contractor expertise for A/E/C and service contracts due to staff reductions.

\$102M in service contracts and growing to include building maintenance contracts.

Hiring: general/mechanical/electrical engineers, firefighters, budget analyst, HVAC technician, warehouse material handler, high voltage electrician, interior electrician, service contract monitors.



55 CES VISION:
Safely provide
uninterrupted
facilities, utilities,
and
emergency services