REPI READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM
STATE PROFILE | OKLAHOMA

OKLAHOMA

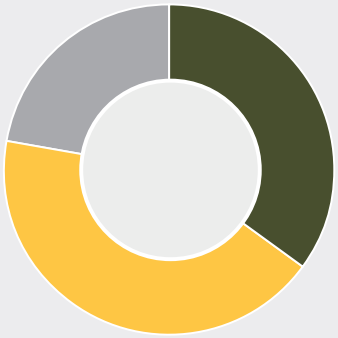
OVERVIEW

Oklahoma received $6.5 billion in Defense spending in Fiscal Year (FY) 2018, which provides direct funding for DoD personnel salaries, defense contracts, and construction of military facilities in the state. This spending by DoD personnel, contractors, and their families creates significant economic activity, attracts related industries and investment, and generates important state and local government tax revenues.

The Readiness and Environmental Protection Integration (REPI) Program is a key tool used by DoD and its partners to protect the military's ability to train, test, and operate in the state. DoD created the REPI Program in response to the development of lands and loss of habitat in the vicinity of or affecting its installations, ranges, and airspace that can lead to restrictions or costly and inadequate training and testing alternatives. Through REPI, DoD works with state and local governments, conservation organizations, and willing private landowners to address these challenges to the military mission and the viability of DoD installations and ranges. The REPI Program has enjoyed broad bipartisan support both in the U.S. Congress and among groups representing state and local officials. Through FY 2019, DoD and its partners have spent over $14 million on REPI projects at 3 installations in Oklahoma.

DOD IN OKLAHOMA

DoD Personnel (as of 30 Sep 2018)



Active Duty: 20,795

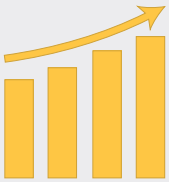
Civilians: 25,191

Reserve/National Guard: 13,394

Total DoD Personnel: 59,380

Federal Defense Spending and Economic Impact (in FY 2018)

$6.5 billion in Federal Defense spending



3.2% of state GDP

$3.0 billion in payroll contributed
$3.5 billion in contracts awarded

Acres of DoD Managed and State-Owned National Guard Land (as of 30 Sep 2017)

DoD Managed Land	State-Owned National Guard Land	Total DoD Managed and State-Owned National Guard Land
223,632	1,408	225,040

REPI PROJECTS* IN OKLAHOMA

Funding Summary (through FY 2019)

REPI Expenditures: $8,117,172

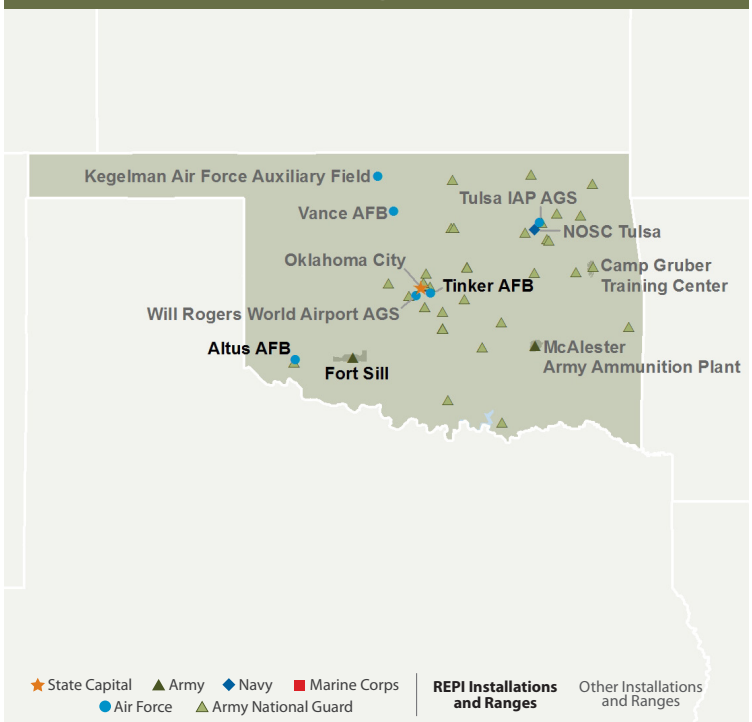
Military Service Expenditures: $3,885,000

Partner Expenditures: $2,406,616

Total Expenditures: $14,408,788

** REPI projects refer to any action authorized by 10 USC §2684(a) to include the acquisition of interests in land from willing landowners to prevent incompatible development and protect habitat or any other natural resources management. REPI projects involving the Army or Army National Guard are also termed Army Compatible Use Buffer (ACUB) partnerships. Those involving the Navy, Marine Corps, or Air Force, are also termed encroachment partnering agreements. Eligible partners include conservation organizations and state and local governments.*

Total Acres Protected (through FY 2019): 3,627



MILITARY PRESENCE

- Fort Sill serves as the home of the U.S. Army Field Artillery School, U.S. Army Air Defense Artillery School, the 424th and the 434th Field Artillery Brigades, the U.S. Marine Corps Field Artillery Detachment, and the Army's Fires Center of Excellence.
- The 97th Air Mobility Wing's **mission is to enable Global Mobility** by expertly training airlift and aerial refueling aircrews to achieve global reach and power while simultaneously maintaining worldwide deployment capabilities.
- Altus Air Force Base is home to the 97th Air Mobility Wing and the Mobility Training Center of Excellence.
- According to an economic analysis by the Department of Commerce, Oklahoma's five major military installations had a **$9.6 billion economic impact** on the state's gross domestic product, more than 7% of the size of the state's entire economy.
- The Navy operates Strategic Communications ONE, which provides **strategic communications** including nuclear submarines, from Tinker Air Force Base.
- McAlester Army Ammunition Plant (MCAAP) is **one of the nation's four critical materiel handling installations**, and it has the capacity and requirement to ship 435 individual 20-foot containers of explosive ordnance per day for the initial 30 days of a conflict, providing time to bring other ammunition facilities around the country to full production.

REPI PROJECTS

Project Installation	County	Congressional District
Altus AFB	Jackson	3rd
Fort Sill	Comanche	4th
Tinker AFB	Oklahoma	4th

For all REPI Project Profiles visit: http://www.repi.mil/BufferProjects/ProjectList.aspx

Protecting habitat for the black-capped vireo (left) near Fort Sill helps to preserve heavy artillery training, such as that conducted with the Paladin Howitzer (top).

For more information about the REPI Program, visit ***www.repi.mil***

Key REPI Partners

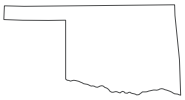
- City of Altus
- City of Lawton
- Comanche County Commission
- Comanche County Industrial Development Authority
- Land Legacy
- State of Oklahoma
- U.S. Department of Agriculture–Natural Resources Conservation Service

Data Sources

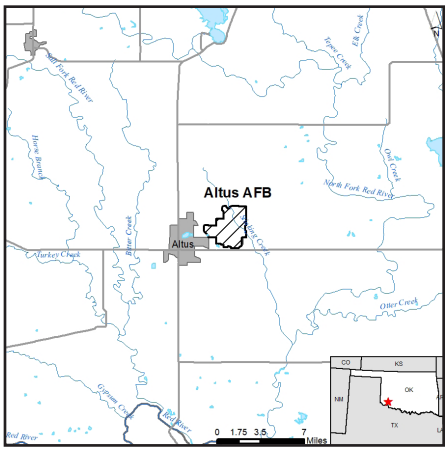
- **For Economic Impact Information:** Oklahoma Department of Commerce, 2011: "Oklahoma's Five Military Installations: An Economic Impact Report': https://www.okcommerce.gov/wp-content/uploads/Military-Impact-Study.pdf
- **For Federal Spending and personnel Information:** Office of Economic Adjustment: "Defense Spending By State Fiscal Year 2018": https://www.oea.gov/sites/default/files/defense-spending-rpts/FY2018-Defense-Spending-by-State-Report_0_0.pdf
- **For Land Information:** Department of Defense: "Base Structure Report – Fiscal Year 2018 Baseline": https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf
- **For REPI Projects Information:** "2020 REPI Report to Congress": https://www.repi.mil/Portals/44/Documents/Reports_to_Congress/REPI2020RTC.pdf

U.S. AIR FORCE :

ALTUS AFB : OKLAHOMA



Altus Air Force Base (AAFB), located in southwest Oklahoma, is home to the 97th Air Mobility Wing and hosts and operates the only heavy mobility and air-refueling schoolhouse in the Air Force for C-17, KC-135, & KC-46 aircraft. Over 2,000 students participate in initial training, requalification, and instructor training every year at AAFB. AAFB houses 18 full motion flight simulators, 9 refueling simulators and 5 cargo load trainers, as well as 3 runways used for heavy aircraft training. The installation's strategic location and broad aviation capabilities allow the Air Force to continue to effectively train service men and women for worldwide deployment.



Low level airspace is crucial to AAFB's mission. Potential wind energy development in the area poses a serious threat to the viability of the AAFB's mission. Turbines penetrating into low level routes create avoidance areas, limit useable airspace, and reduce the availability of low level, airdrop training areas. AAFB is working with its partners to acquire restrictive use easements on properties surrounding the installation to limit the potential for height obstructions and radar interference.

In addition to mitigating encroachment challenges from wind development, AAFB is also working with the City of Altus and the Tom Steed Master Conservancy District to protect critical groundwater resources in the region. AAFB is dependent on the City of Altus for short-term and long-term water supplies, the majority of which are surface water. Recent droughts have brought into focus the need to bring groundwater supplies into the City's water portfolio. Limited alternatives exist, but the City of Altus and the Tom Steed Master Conservancy together with AAFB are working to secure water rights to the Tillman Terrace aquifer to alleviate this challenge. This project will grant AAFB access to a reliable supply of water and help deliver secured groundwater to the City's water system, thereby increasing drought resiliency of the base as well as the community.

BENEFIT SUMMARY

COMMUNITY

- Drought resiliency
- Access to reliable water supply

MILITARY

- Water security
- Protection of existing airspace and radar capabilities
- Increases operational safety

C-17 with door open on the flightline (top), and a KC-135 at takeoff (bottom).

KEY PARTNERS

- City of Altus
- Tom Steed Master Conservancy District

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
0

» Transactions conducted:
0

» Total funds expended:
$0

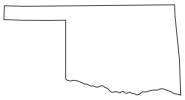
» Project status:
Initiated

CONTACT

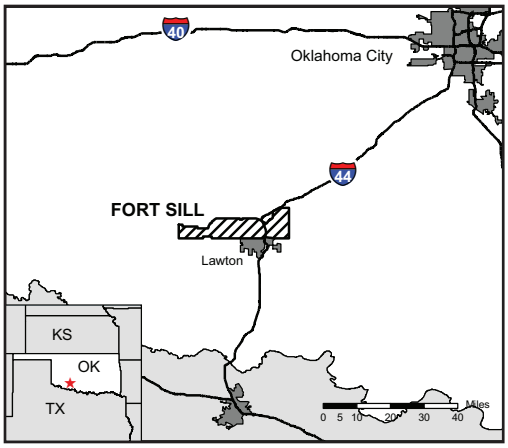
Altus AFB Public Affairs
(580) 481-7700

U.S. ARMY :

FORT SILL : OKLAHOMA



Home to the only artillery school for the Army and the Marine Corps, Fort Sill supports training that provides soldiers and Marines with the skills to provide timely and effective fire support to ground force commanders in a joint and combined arms environment. Training at Fort Sill includes Basic Combat Training and artillery training that requires utilizing the weapon's maximum range, but this requirement brings firing points close to the fenceline. As homes appear nearby or adjacent to the post, noise complaints could threaten to restrict training activities.



Located in an area with prime agricultural soils and a community eager to protect its working lands, Fort Sill partnered with Land Legacy, a local land trust, to foster an innovative solution to keep those lands in agricultural production. Families keep their farms while easements prevent the incompatible development of residential housing that can restrict training.

By creatively partnering with the U.S. Department of Agriculture–Natural Resources Conservation Service's Farm and Ranchland Protection Program, as well as the Comanche County Industrial Development Corporation, among others, Fort Sill buffers a growing urban area from the noise and dust of artillery training while providing economic benefits to local family farms. Landowners, business leaders, conservation groups, local government, and the military are working together to sustain their mutually compatible missions.

BENEFIT SUMMARY

COMMUNITY

- Protects working lands for ranching and farming, benefitting the local economy
- Maintains local character
- Provides habitat for endangered species

MILITARY

- Preserves ability to conduct live-fire training and other training that produces noise
- Preserves capability for future mission growth and multi-Service exercises

Protecting habitat for the black-capped vireo (bottom) near Fort Sill helps to preserve heavy artillery training, such as that conducted with the Paladin Howitzer (top).

KEY PARTNERS

- City of Lawton
- Comanche County Commission
- Comanche County Industrial Development Authority
- Land Legacy
- State of Oklahoma
- U.S. Department of Agriculture–Natural Resources Conservation Service

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
3,607

» Transactions conducted:
38

» Total funds expended:
$13.9 million

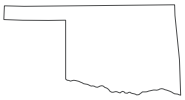
» Project status:
In Progress

CONTACT

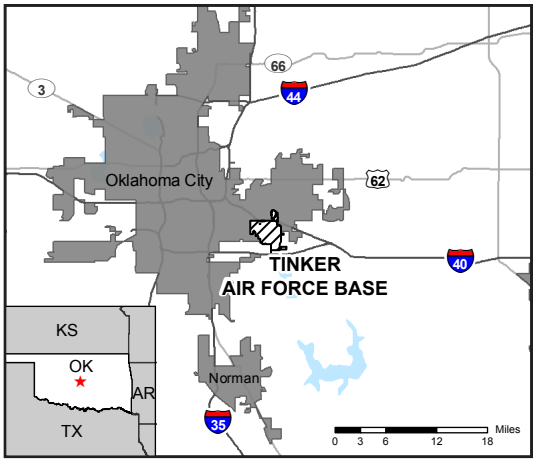
Public Affairs Office
(580) 442-4500

U.S. AIR FORCE :

TINKER AFB : OKLAHOMA



Tinker Air Force Base (AFB) supports Air Force and Navy alert missions that require one runway to be open at all times. As part of the Strategic Communications Wing One at the base, Navy E-6 squadrons maintain flying and communications link among the White House, ballistic missile submarines, bombers, and missile silos around the world. Because one runway must remain operational at all times to support this mission, it is imperative that Tinker AFB maintains two active runways.



The base's crosswind runway's safety and noise zones are constantly under developmental pressure from nearby Oklahoma City and its suburbs, including potential commercial retail development. This REPI project will implement recommendations from a Joint Land Use Study to protect these high priority safety and noise zones, with Tinker AFB's partner, Land Legacy, acquiring conservation easements to preserve wetlands, habitat, and water resources.

Further contributing to the partner cost-share of this REPI project includes a donation of a conservation easement as well as a second partial land value donation of another tract. Conservation of these lands will ensure that Tinker AFB can continue to use its crosswind runway, making sure it is open and able to support its operational mission, which would otherwise have to deploy or relocate at a significant cost. The easements not only preserve compatible uses that protect the local watershed and floodplain, but also support habitat for rare and at-risk species such as the Texas Horned Lizard.

BENEFIT SUMMARY

COMMUNITY

- Supports coordination with existing regional planning efforts, including a Joint Land Use Study
- Preserves habitat
- Preserves water resources

MILITARY

- Protects aviation maneuver training that produces significant noise
- Increases operational safety
- Supports multiple Service missions

Crew members prepare a KC-135 Stratotanker for an air refueling mission exercise (top). The Texas Horned Lizard is a state sensitive species that is actively managed by the installation (bottom).

KEY PARTNERS

- Land Legacy

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
19

» Transactions conducted:
2

» Total funds expended:
$493.7 thousand

» Project status:
In Progress

CONTACT

Public Affairs Office
(405) 739-2026