REPI READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM
STATE PROFILE | NEW JERSEY

NEW JERSEY

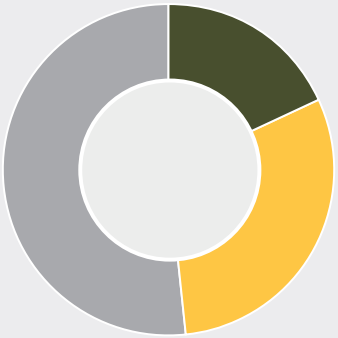
OVERVIEW

New Jersey received $7.5 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 $44 million on REPI projects at 3 installations in New Jersey.

DOD IN NEW JERSEY

DoD Personnel (as of 30 Sep 2018)



Active Duty: 6,102

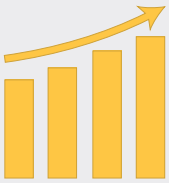
Civilians: 10,354

Reserve/National Guard: 16,988

Total DoD Personnel: 33,444

Federal Defense Spending and Economic Impact
(in FY 2018)

$7.5 billion in Federal Defense spending



1.2% of state GDP

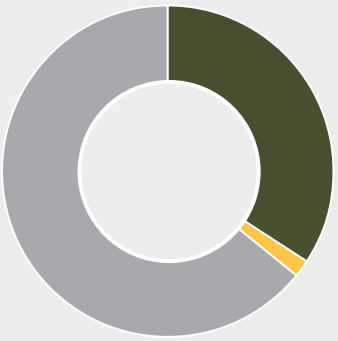
$1.7 billion in payroll contributed
$5.8 billion in contracts awarded

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
71,882	693	72,515

REPI PROJECTS* IN NEW JERSEY

Funding Summary (through FY 2019)



REPI Expenditures: $15,542,745

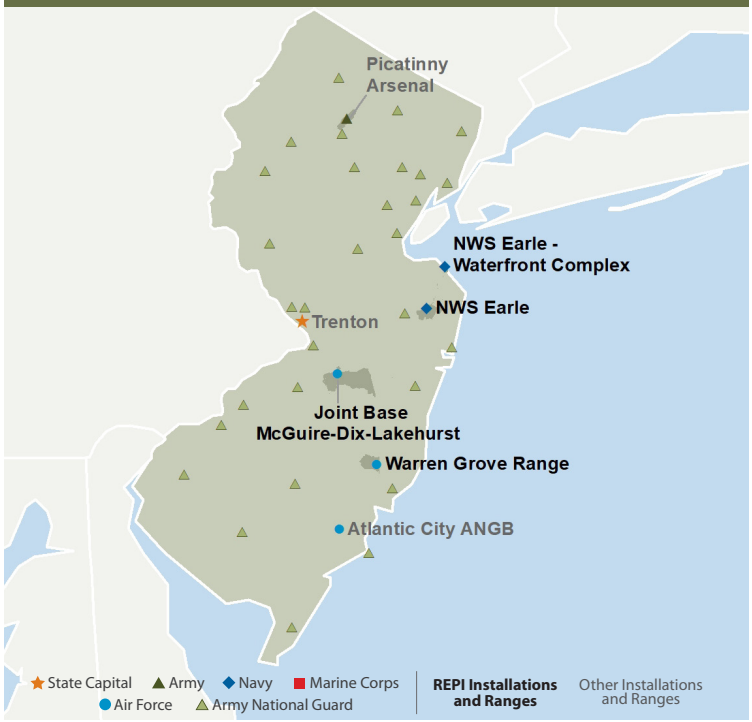
Military Service Expenditures: $571,840

Partner Expenditures: $28,171,076

Total Expenditures: $44,285,661

** 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): 9,372



MILITARY PRESENCE

- Military installations in New Jersey are strategic in developing opportunities for the State's workforce to address the military and defense industry's current and future needs. According to the New Jersey Department of Military and Veterans Affairs, **New Jersey bases employ 70,000 residents every year** and brings more than $6 billion in economic benefit to the state.
- New Jersey is home to Joint Base McGuire-Dix-Lakehurst (JB– MDL), the nation's only tri-Service military base and the second largest employer in New Jersey, after the state itself.
- **JB-MDL houses the largest and most advanced unit in the world for aircraft-launching missions**, and is the world's only base equipped to handle the entire spectrum of operations related to aircraft recovery and launch.
- Warren Grove Range is one of the most heavily utilized Air National Guard training ranges in the U.S. and is a key Northeast training asset for all four Services, with its remote location providing unique operational capabilities.

REPI PROJECTS

Project Installation	County	Congressional District
Joint Base McGuire-Dix-Lakehurst	Burlington, Ocean	3rd, 4th
NWS Earle	Monmouth	4th
Warren Grove Range	Ocean	3rd

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

Controlled burns help prevent wildfires, which reduce visibility for air exercises.
Photo credit: Dr. Walter Bien, Laboratory of Pinelands Research

Key REPI Partners

- Burlington County
- Burlington County Farmland Protection Program
- Monmouth County
- Monmouth Conservation Fund
- New Jersey Conservation Foundation
- **New Jersey Department of Environmental Protection**
- New Jersey Green Acres Program
- New Jersey Pinelands Commission
- Ocean County
- State of New Jersey

Data Sources

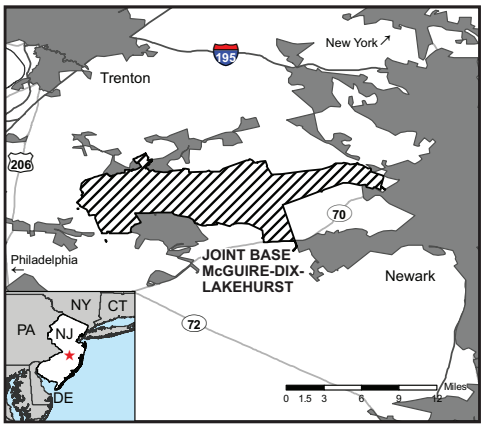
- **For Federal Spending and personnel Information:** Office of Economic Adjustment: "Defense Spending By State Fiscal Year 2018": https://www.oea.gov/sites/default/files/defense-spending-rpts/FY2018-Defense-Spending-by-State-Report_0_0.pdf
- **For Land Information:** Department of Defense: "Base Structure Report — Fiscal Year 2018 Baseline": https://www.acq.osd.mil/eie/Downloads/BSI/Base%20Structure%20Report%20FY18.pdf
- **For Economic Impact Information:** New Jersey Department of Military and Veterans Affairs: https://www.nj.gov/military/
- **For REPI Projects Information:** "2020 REPI Report to Congress": https://www.repi.mil/Portals/44/Documents/Reports_to_Congress/REPI2020RTC.pdf

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

U.S. AIR FORCE - U.S. ARMY - U.S. NAVY :

JOINT BASE McGUIRE-DIX-LAKEHURST : NEW JERSEY

Located in central New Jersey's pinelands, Joint Base McGuire-Dix-Lakehurst is a tri-Service installation that combines McGuire Air Force Base, Fort Dix, and Naval Air Engineering Station Lakehurst. However, outward growth from the greater New York and Philadelphia regions could impact air operations and training across the Joint Base. This includes training on the Assault Landing Zone site for transport aircraft, air transportation of troops, equipment, and supplies, and other joint operations and training exercises.



To ensure compatible land uses around the base, plans call for protecting a two-mile buffer that will preserve remaining open space and agricultural lands. Burlington and Ocean Counties and the state of New Jersey are helping to conserve lands that would threaten the military mission if developed, particularly within and around the Accident Potential Zones of the base's runways. These lands will also expand a nearby wildlife area, providing habitat for a state-listed snake species while preventing light pollution. Preserving a dark night sky for transport aircraft pilots to train at landing in assault zones with night-vision goggles is vital for replicating combat conditions.

Of note in this project was one property that contains a cranberry bog and its highly valued natural resources. Additionally, protection of nearby lands helps preserve working farmlands, freshwater tributaries to the Toms River, and recreational uses in the area, while also maintaining the pinelands ecosystem.

BENEFIT SUMMARY

COMMUNITY

- Preserves working lands
- Supports existing regional planning objectives
- Provides habitat for wildlife

MILITARY

- Preserves off-installation night flying capability through the buffering of high-noise areas
- Improves operational safety
- Provides for multi-Service missions and future mission growth

Airmen set up security measures at the Air Mobility Warfare Center (top). The first C-17 lands on a new Short Takeoff and Landing (STOL) runway protected by buffering (bottom).

KEY PARTNERS

- Burlington County
- Burlington County Farmland Protection Program
- New Jersey Department of Environmental Protection
- New Jersey Pinelands Commission
- Ocean County
- State of New Jersey

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
9,192

» Transactions conducted:
58

» Total funds expended:
$43.8 million

» Project status:
In Progress

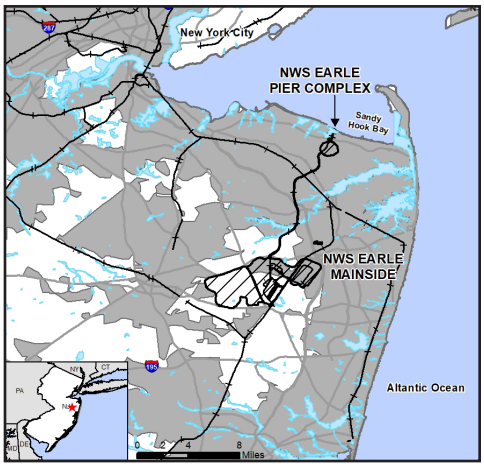
CONTACT

Public Affairs Office
(609) 754-2104

U.S. NAVY :

NWS EARLE : NEW JERSEY

Naval Weapons Station Earle (NWSE), located in Monmouth County, New Jersey, houses the Navy's longest pier and largest explosive capacity, making it irreplaceable for the Navy's ammunition supply capabilities. The installation's Mainside primarily serves as an ammunition staging area, supplying an average of 20 ammunition ship-loading evolutions per year, providing ordnance for all Atlantic Fleet Carrier and Expeditionary Strike Groups. Ammunition is transported from Mainside to the Pier Complex, which has three piers capable of berthing four 800-foot ships simultaneously. The Mainside area is also equipped with an explosives range that is used weekly for explosive ordnance disposal proficiency training, as well as periodic joint trainings with the FBI and Transportation Security Administration.



Incompatible development poses three main threats to NWSE: safety and security along the ammunition transportation route from Mainside to the Pier Complex, crowding and safety concerns resulting from increased use of waters in close proximity to the Pier Complex, and an increase in impervious surfaces leading to more severe flooding and potential damage during storm events. The Navy is working with Monmouth County to purchase easements to preserve farmland and wetlands, prevent incompatible land development, and protect the NWSE mission. By preserving local farmland and adding to already existing parks through the purchase of parcels, NWSE will be able to maintain operations security and decrease the potential risk to the public.

This project will also provide benefits to the local community and the environment by protecting the sensitive drinking water supply from over-withdrawal and salt intrusion, decreasing the likelihood of flooding by maintaining pervious surfaces, and enhancing storm water capacity across watersheds. Protecting natural resources is a priority for Monmouth Conservation Fund which will work with the County and Navy to connect purchased parcels to already existing protected areas.

BENEFIT SUMMARY

COMMUNITY

- Protected water supply
- Conserved farmlands
- Increase in recreational areas

MILITARY

- Security along Normandy Road
- Decreased risk of public harm
- Decreased likelihood of flood damage

Constructed wetland green infrastructure project at NWS Earle to increase stormwater capacity (top). USS Iwo Jima loading ordnance before deployment (bottom).

KEY PARTNERS

- Monmouth County
- Monmouth Conservation Fund

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
0

» Transactions conducted:
0

» Total funds expended:
$0

» Project status:
Initiated

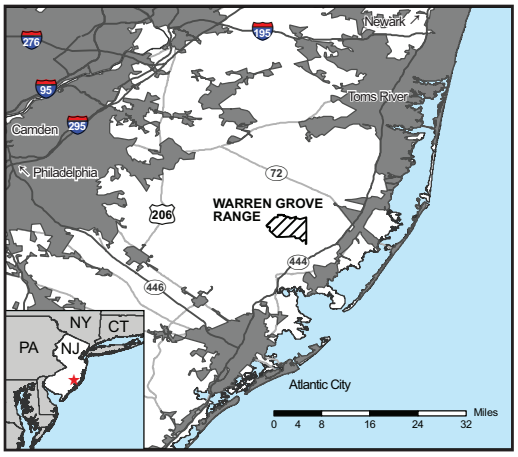
CONTACT

Public Affairs Office
(888) 743-4662

U.S. AIR FORCE :

WARREN GROVE RANGE : NEW JERSEY

One of the most heavily utilized Air National Guard training ranges in the U.S., Warren Grove Range is a key Northeast training asset for all four Services, with its remote location providing unique operational capabilities. However, its location in the New Jersey Pinelands is also one of the most flammable areas in the country. Every year training activities ignite one fire every 10-14 days, which are suppressed on-site.



When wildfires occur, the range must be totally shut down until the fires are suppressed. To reduce the wildfire danger, controlled burns are necessary to manage forest undergrowth. Without buffer lands to properly address undergrowth and fire concerns, the military mission at the range is endangered. In May 2007, the range shut down entirely for more than a year. Now, REPI efforts to establish buffer lands surrounding the range are protecting the viability of continued training missions, including use of conventional freefall bombs and munitions and future weapon systems training.

Targeting the acquisition of thousands of acres of forest, the New Jersey Conservation Foundation will help the Air Force protect surrounding residents from the constant threat of wildfire and conduct prescribed fire management. Additionally, better forest management will support the many federally and state-listed animal and vegetative species found in the Pinelands area. Altogether, this project allows the continued operation of Warren Grove Range and maintains a quality training environment.

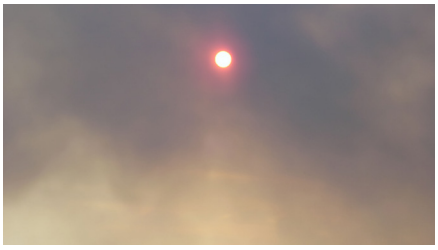
BENEFIT SUMMARY

COMMUNITY

- Coordinates with existing regional planning efforts, including a Joint Land Use Study
- Protects habitat for notable species
- Provides recreational benefits for area residents

MILITARY

- Protects on-installation training capacity
- Prevents the loss of available training days



Controlled burns help prevent wildfires, which reduce visibility for air exercises (top and bottom).
Bottom photo credit: Dr. Walter Bien, Laboratory of Pinelands Research

KEY PARTNERS

- New Jersey Conservation Foundation
- New Jersey Green Acres Program
- New Jersey Pinelands Commission

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
179

» Transactions conducted:
5

» Total funds expended:
$400 thousand

» Project status:
In Progress

CONTACT

Public Affairs Office
(609) 761-6259