REPI READINESS AND ENVIRONMENTAL PROTECTION INTEGRATION PROGRAM
STATE PROFILE | HAWAII

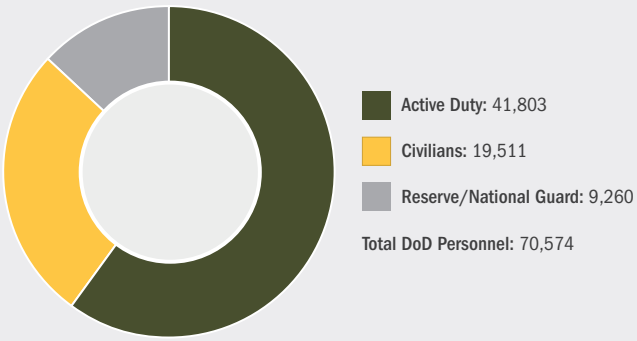
OVERVIEW

Hawaii received $7.2 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.

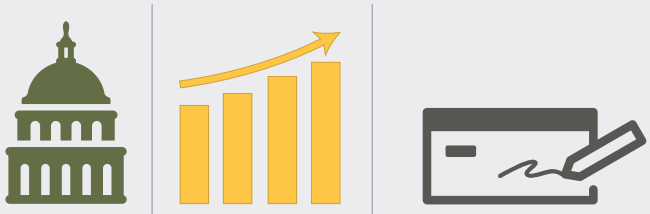
The Readiness and Environmental Protection Integration (REPI) Program is a key tool used by DoD and its partners to protect the military's ability to train, test, and operate in the state. DoD created the REPI Program in response to the development of lands and loss of habitat in the vicinity of or affecting 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 $127 million on REPI projects at 3 installations in Hawaii.

DOD IN HAWAII

DoD Personnel (as of 30 Sep 2018)



Federal Defense Spending and Economic Impact (in FY 2018)



$7.2 billion in Federal Defense spending

7.7% of state GDP

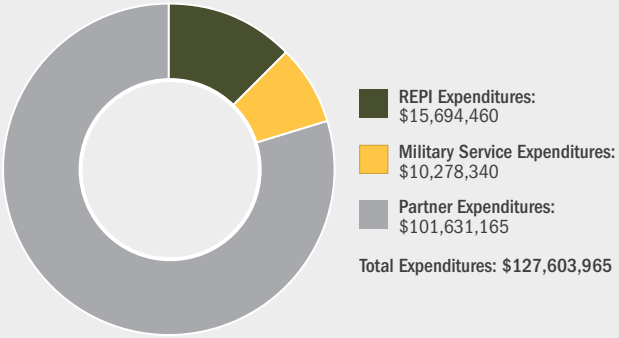
$4.9 billion in payroll contributed
$2.3 billion in contracts awarded

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
228,639	1,014	229,653

REPI PROJECTS* IN HAWAII

Funding Summary (through FY 2019)



** 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): 15,096

MILITARY PRESENCE

- Direct and indirect impacts of military expenditures are reported to generate $14.7 billion into Hawaii's economy, creating more than **102,000 jobs** for residents that collectively report household incomes around $8.7 billion.
- U.S. Army Garrison – Hawaii (USAG-HI) is responsible for the day-to-day operations and services offered at 22 Army installations and sub-installations on the islands of Oahu and Hawaii, and includes a workforce comprised of **more than 820 civilian employees**.
- Hawaii is the **only location in the world hosting the headquarters for the largest U.S. combatant command (U.S. Pacific Command)**, the Pacific component commands for the U.S. Army, Navy, Air Force, Marine Corps, and Coast Guard, and combat ready land, sea, and air forces.
- Hawaii's population includes **more than 116,800 veterans**, of which nearly 17,000 are military retirees; this represents 11% of Hawaii's population.
- The Pearl Harbor Naval Shipyard is Hawaii's **largest industrial plant**, employing more than 4,600 engineers and skilled technicians to service naval surface ships and submarines based in Hawaii, and responding to emergency repair calls throughout the Pacific.
- The Pacific Missile Range Facility on Kauai is the **world's largest multi-dimensional testing and training range**, and it is the only range in the world where submarines, surface ships, aircraft, and space vehicles can train and be tracked simultaneously.

REPI PROJECTS

Project Installation	County	Congressional District
Joint Base Pearl Harbor-Hickam Wahiawa Annex	Honolulu	2nd
PMRF Barking Sands	Kauai	2nd
U.S. Army Garrison Hawaii	Honolulu	2nd

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

Birds of a feather: Preserving habitat for the endangered O'ahu 'elepaio bird helps to preserve helicopter training.

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

Key REPI Partners

- American Bird Conservancy
- City of Honolulu
- County of Honolulu
- County of Kauai
- City of Kauai
- Hawaii Agribusiness Development Corporation
- Kauai Island Utilities Commission
- National Fish and Wildlife Foundation
- National Oceanic and Atmospheric Administration
- North Shore Community Land Trust
- State of Hawaii
- State of Hawaii Department of Land and Natural Resources Division of State Parks
- State of Hawaii Department of Land and Natural Resources Division of Forestry and Wildlife
- The Trust for Public Land
- U.S. Department of Agriculture—Natural Resources Conservation Service
- U.S. Fish and Wildlife Service
- U.S. Fish and Wildlife Service Kauai National Wildlife Refuge Complex

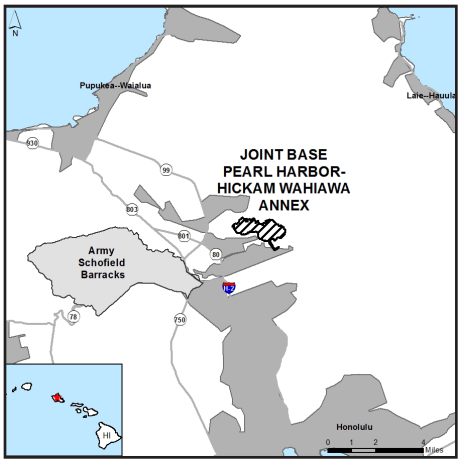
Data Sources

- **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 REPI Projects Information:** "2020 REPI Report to Congress": https://www.repi.mil/Portals/44/Documents/Reports_to_Congress/REPI2020RTC.pdf
- **For Economic Impact Information:** Hawaii Chamber of Commerce, Military Affairs Department web site: https://www.cochawaii.org/military-affairs/

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

JOINT BASE PEARL HARBOR-HICKAM WAHIAWA ANNEX : HAWAII

Joint Base Pearl Harbor-Hickam's Wahiawa Annex is a communication hub for the U.S. Navy and Department of Defense in the Pacific. The installation provides satellite-based, telephone and data communication services from antennas on the island of Oahu, which directly support the warfighter and other government missions globally. Antennas for low-earth orbiting satellites require 360 degree, clear view angles from five degrees above the horizon, meaning any development and tall obstructions on adjacent parcels can negatively impact the Department of Defense Navy's mission.



The lands surrounding the Wahiawa Annex are former farmlands owned by Dole Food Company, which wanted to divest itself of these parcels. Even partial obstructions on property to the south of the Annex compromise the quality and efficiency of transmitting and receiving the large volumes of voice and data communications required by the Wahiawa Annex mission. Through REPI, the Navy is working with the Trust for Public Land to protect these surrounding lands from being incompatibly developed.

After acquiring the property, the Trust for Public Land will limit building heights, secure a security buffer for the Navy, and convey the land to the State of Hawaii for agricultural production. These efforts bolster state plans to jump-start farming and support needed agribusiness on Oahu. This project provides the additional benefit of maintaining undeveloped lands underneath an overflight area for operations from the nearby Wheeler Army Airfield, multiplying its value to DoD and the entire region.

BENEFIT SUMMARY

COMMUNITY

- Preserves open space and agricultural land
- Supports ongoing regional planning efforts
- Bolsters the local economy

MILITARY

- Protects communication antennae against obstructions and electromagnetic interference
- Improves operational security and reduces trespassing on military lands
- Prevents flight operations from additional noise complaints

Nearby pineapple fields and other agricultural lands (top), provide a buffer for the Navy's state-of-the-art Mobile User Objective System satellite dishes and narrowband tactical satellite communications system for improved ground communications for U.S. forces on the move (above).

KEY PARTNERS

- City of Honolulu
- County of Honolulu
- State of Hawaii Agribusiness Development Corporation
- The Trust for Public Land

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
1,939

» Transactions conducted:
5

» Total funds expended:
$18.8 million

» Project status:
In Progress

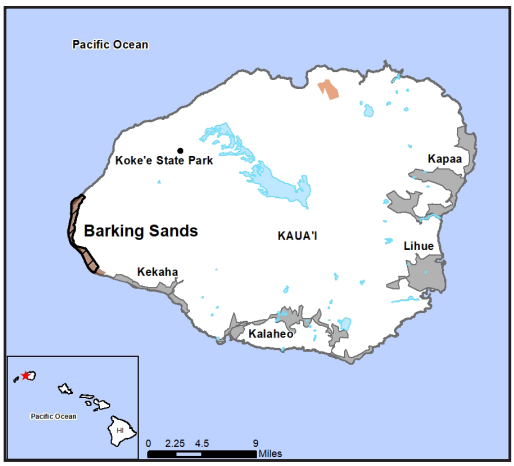
CONTACT

Community Plans and Liaison Office
(808) 449-3138

U.S. NAVY :

PACIFIC MISSILE RANGE FACILITY BARKING SANDS : HAWAII

The U.S. Navy's Pacific Missile Range Facility (PMRF), located along the west coast of Kaua'i Island, is the world's largest instrumented multi-environment range. PMRF provides premier training and test capabilities within an 1,100-square nautical mile instrumented underwater range; 42,000 square nautical miles of airspace, and when needed, up to 2.1 million square nautical miles of operating space. PMRF is capable of simultaneously supporting surface, subsurface, air, and space operations. Portions of the 7-mile terrestrial footprint also provide premier training and test opportunities.



Infrastructure critical to ensuring test and training activities carried out at the installation are safe and effective (i.e. outdoor night lighting, communication towers, utility lines) can result in impacts to seabirds protected under the Endangered Species Act (ESA), such as the Newell's Shearwater.

In an effort to improve the ecological baseline for these protected seabirds, PMRF is working proactively with federal, state, nonprofit, and private conservation organizations to implement landscape-level predator control at an important breeding colony site within Kaua'i's remote Honopu Valley. The project will include placement of artificial burrows, monitoring of colony productivity, predator and invasive species removal, and a native plant restoration component to sustain a healthy ecosystem. The conservation benefits provided by the project will improve regulatory predictability and avoid future constraints to mission activities to help PMRF carry out its national defense mission. This unique project is part of a larger, multi-partner effort that leverages existing species recovery plans and an island-wide predator control program, and will contribute significantly to efforts to reverse currently declining population trends.

BENEFIT SUMMARY

COMMUNITY

- Protects threatened and endangered species
- Brings together new partners

MILITARY

- Improves operational safety
- Prevents additional training restrictions and unrealistic workarounds

For more information about REPI, please see **http://www.repi.mil**.

Aerial view of Pacific Missile Range Facility Barking Sands (top). Pacific Missile Range Facility is working with partners to establish predator-exclusion fencing around one of the last remaining breeding colonies for the 'A'o/Newell's Shearwater, 'Ua'u/Hawaiian Petrel, and 'Ake'ake/Band-rumped Storm-Petrel (bottom).

KEY PARTNERS

- American Bird Conservancy
- City and County of Kauai
- Kauai Island Utilities Commission
- U.S. Fish and Wildlife Service-Kauai National Wildlife Refuge Complex
- U.S. Fish and Wildlife Service
- National Fish and Wildlife Foundation
- State of Hawaii Department of Land and Natural Resources Division of Forestry and Wildlife
- State of Hawaii Department of Land and Natural Resources Division of State Parks

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
0

» Transactions conducted:
0

» Total funds expended:
$0

» Project status:
Initiated

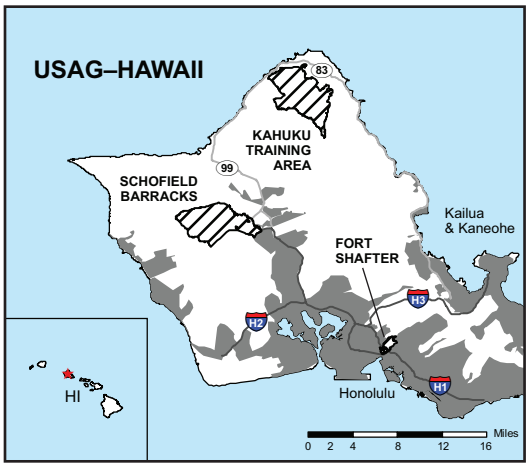
CONTACT

Public Affairs Office
(808) 335-4740

U.S. ARMY :

U.S. ARMY GARRISON–HAWAII : HAWAII

An important platform for the Pacific theater, U.S. Army Garrison–Hawaii (USAG-HI) can quickly mobilize soldiers in support of combat operations and disaster relief missions. The Army's ability to station, train, and deploy the 2/25th Stryker Brigade Combat Team in Hawaii is essential to our nation's defense strategy and transformation. Buffer actions protect both the Schofield Barracks and the Kahuku Training Area (KTA), where the Army plans to expand operations. The KTA is notable for pyrotechnic training and dismounted maneuver training.



To protect USAG-HI, its partners have undertaken various buffer projects over the past several years. In a key success on the lush O'ahu North Shore, a broad coalition of partners—including community and environmental groups and state and federal agencies—preserved Pupukea Paumalu, a vast swath of beach-front open space slated to become a residential development.

Additionally, the partners worked together to protect the habitat-rich 3,592-acre Honouliuli Preserve, a lowland forest on the eastern slope of the Wai'anae Mountain Range. The preserve contains 35 threatened and endangered species, including the endangered O'ahu 'elepaio, and 16 species found nowhere else in the world. Altogether, the installation's efforts are protecting not just valuable open space and habitat, but also drinking water resources, cultural sites, youth education opportunities, tourism, and recreational resources, all while ensuring the vitality of U.S. Army Garrison-Hawaii's defense mission.

BENEFIT SUMMARY

COMMUNITY

- Supports existing regional planning efforts
- Maintains local character
- Provides habitat for endangered species
- Helps improve water quality

MILITARY

- Preserves live-fire and ground maneuver training capacity
- Preserves training realism by preventing the need for workarounds
- Prevents the loss of training days

Birds of a feather: Preserving habitat for the endangered 'elepaio bird (top) helps to preserve helicopter training (bottom).

KEY PARTNERS

- City of Honolulu
- County of Honolulu
- National Oceanic and Atmospheric Administration
- North Shore Community Land Trust
- State of Hawaii
- The Trust for Public Land
- U.S. Department of Agriculture–Natural Resources Conservation Service
- U.S. Fish and Wildlife Service

FAST FACTS THROUGH 30 SEP 2019

» Acres preserved:
13,157

» Transactions conducted:
7

» Total funds expended:
$108.8 million

» Project status:
In Progress

CONTACT

Public Affairs Office
(808) 656-3154