



# U.S. ARMY GARRISON HAWAII ENERGY PROJECT PROVIDES ENERGY RESILIENCE, SECURITY & SUSTAINABILITY

Energy resilience is critical to Army Readiness. The homeland is no longer a sanctuary.<sup>1</sup> The Army is modernizing its installations with energy solutions that are resilient, efficient, and affordable.

The U.S. Army Office of Energy Initiatives (OEI), U.S. Army Garrison-Hawaii (USAG-HI), and the U.S. Army Corps of Engineers (USACE) collaborated with the Hawaiian Electric Company to develop a 50 megawatt (MW) biofuel power generation plant at Schofield Barracks. The project became operational in May 2018. It enhances the resilience of the Oahu electrical grid and during emergencies, is capable of providing Schofield Barracks, Field Station Kunia, and Wheeler Army Air Field with firm and flexible energy generation. This project provides secure and reliable access to energy and ensures the mission can continue through power disruptions.

## About Schofield Barracks and U.S. Army Garrison Hawaii

USAG-HI is responsible for day-to-day operations at 22 Army installations and sub-installations on the islands of Oahu and Hawaii.

USAG-HI traces its history to the District of Hawaii, a command formed in 1910 as a sub-element of the Department of California. In 1911, the Hawaiian Department replaced the District, reporting directly to the War Department in Washington. In 1921, the Department moved to its permanent home at Fort Shafter. After multiple name changes, the U.S. Army Support Command-Hawaii was re-designated as USAG-HI on January 6, 1994.

Schofield Barracks is one of the installations that makes up USAG-HI. Home to the 25th Infantry Division, Schofield Barracks is located at the foot of the Waianae Mountain Range on Oahu. Schofield Barracks was established in 1908 to provide a base for the Army's mobile defense of Pearl Harbor and the entire island. For more information on visit: [www.garrison.hawaii.army.mil](http://www.garrison.hawaii.army.mil).

## Project Details

- During a power grid disruption, the Schofield Generating Station is capable of providing 100 percent of the electrical power needs for Schofield Barracks, Field Station Kunia, and Wheeler Army Air Field.
- This "black start" capability enhances grid resilience to benefit the Army and the community.
- As the only baseload power generation facility on Oahu located above the tsunami inundation zone, this project is critical to combatting the increasing threat of extreme weather events.
- The Schofield Generating Station has a minimum of 30 days of fuel storage, including 5 days of supply onsite. 100% of the fuel used at Schofield Generating Station is biodiesel that is refined by a local HI company.
- Approved by the Hawaii Public Utility Commission, Hawaiian Electric Company developed, financed, and constructed the Schofield Generating Station. They own, operate, and maintain the plant.
- The project includes a 35-year lease to Hawaiian Electric Company for about 8 acres of land on Schofield Barracks with a 10-year renewal option.

Schofield Barracks, HI  
50 MW Multi-Fuel Generation  
Plant located above Tsunami  
Inundation Zone – 900 Feet above  
Sea Level



## About Army Office of Energy Initiatives

The Army OEI seeks to assist Army installations in optimizing operations, meeting mission essential requirements, mitigating vulnerabilities, and sustaining critical capabilities during any energy disruption. The Army OEI is aligned under the Assistant Secretary of the Army for Installations, Energy and Environment and the Deputy Assistant Secretary of the Army for Energy and Sustainability. The Army OEI serves as the Army's central program management office for the development, implementation, and oversight of privately financed, large-scale, energy projects focused on enhancing energy resilience, energy security, and sustainability on Army installations. Army OEI collaborates with industry, public utilities, and other stakeholders to implement projects using alternate resourcing strategies that provide energy generation, storage, and control capabilities. These "islandable" capabilities can support critical operations in the event of a grid outage, enabling the Army to achieve the levels of mobility and lethality to maintain its tactical and strategic edge. For more information about Army OEI, visit: [www.oei.army.mil](http://www.oei.army.mil).

## About U.S. Army Corps of Engineers

The U.S. Army Corps of Engineers (USACE) has approximately 37,000 dedicated Civilians and Soldiers delivering engineering services to customers in more than 130 countries worldwide. USACE's mission is to deliver vital public and military engineering services; partnering in peace and war to strengthen our Nation's security, energize the economy and reduce risks from disasters, and with a vision of engineering solutions for our Nation's toughest challenges.

## About Hawaiian Electric Company

For more than 100 years, Hawaiian Electric Company has provided the energy that has fueled the islands' development from a Hawaiian Kingdom to a modern state. Hawaiian Electric Company and its subsidiaries provide electricity and services to 95 percent of the state's 1.4 million residents. They are committed to meeting the energy needs of Hawaii's people in a reliable, economical, and environmentally sound way. For more information, visit: [www.hawaiianelectric.com](http://www.hawaiianelectric.com).



Photo Credit: Hawaiian Electric Company

<sup>1</sup> 2018 National Defense Strategy

