

2023-2024 West O'ahu Report

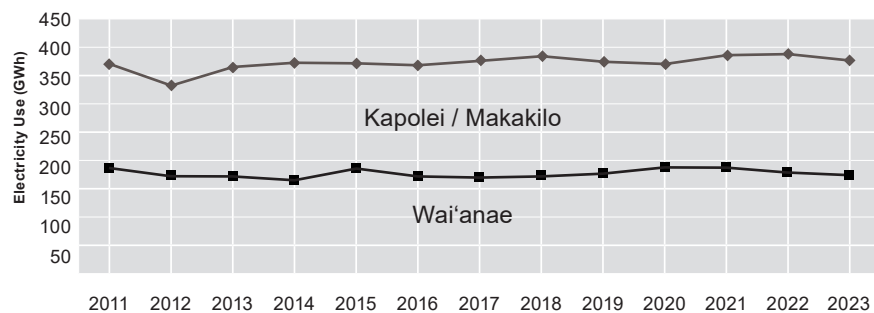
Hawaiian Electric's Campbell Industrial Park (CIP) Generating Station is a 130-megawatt fuel-flexible power plant that includes a 128-kilowatt photovoltaic solar system to power plant operations using the sun. Before the CIP Generating Station was developed, Hawaiian Electric and West O'ahu community leaders agreed to a Community Benefits Program for the Leeward Coast community adjacent to the plant. This update and the community programs described are a result of that commitment.

West O'ahu Electricity Use

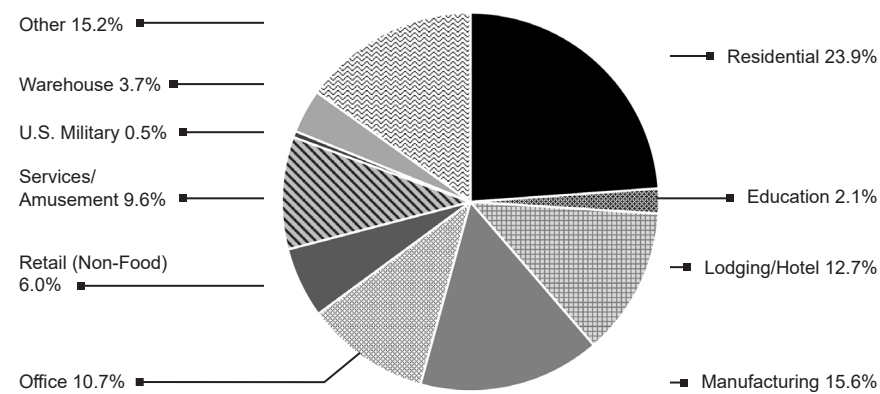
While the number of homes with rooftop solar increased across West O'ahu, residential electricity use in Wai'anae and Kapolei/Makakilo experienced a second-year decline in 2023 partly due to a slowing economy in the second half of the year. Electricity usage among commercial customers in Kapolei/Makikilo decreased slightly while in Wai'anae commercial electricity use remained relatively flat.

In Wai'anae, where residential customers account for about 54% of usage, electricity use in the education, manufacturing and retail sectors rose slightly but overall electricity use in the area was down 2% from the previous year. Kapolei/Makakilo residential and commercial customers saw an overall decrease of 4.8% from the previous year, though some sectors including lodging/hotel, services/amusement and the military saw nominal increases in electricity use compared to 2022.

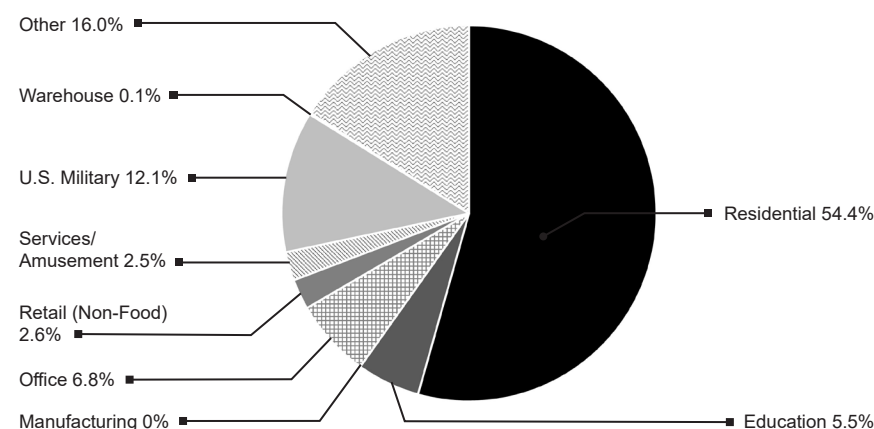
Total Electricity Use (2011-2023)



Kapolei / Makakilo



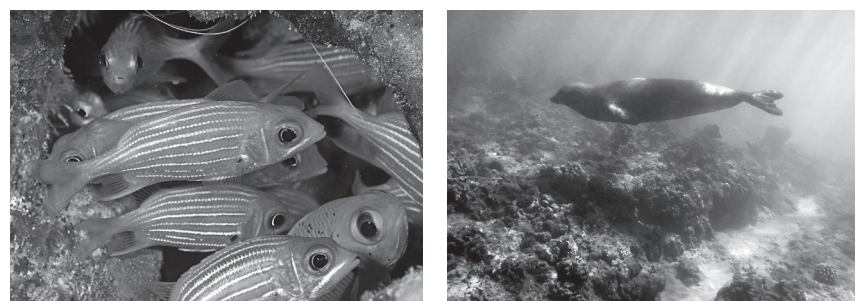
Wai'anae



Monitoring our Impact

At Hawaiian Electric, protecting the environment and ensuring the safety and health of the public is our kuleana, and one we take seriously. To minimize the impact in communities where we operate, we continue to:

- ◆ Monitor air quality at the Lualualei and Pālehua stations. Near real-time data is available on westoahuair.com. Due to continued issues with the building permit, the Wai'anae station relocation was delayed, and an extension requested of the City & County of Honolulu, Department of Planning and Permitting.
- ◆ Study and monitor fish communities and populations along O'ahu's Leeward Coast. Results from the survey data can be found in annual reports at hawaiianelectric.com/westoahu.
- ◆ Minimize potable water use for electricity generation at our Kahe Power Plant and CIP Generating Station with reverse osmosis water from Honouliuli Wastewater Treatment Plant.
- ◆ Make night skies friendlier for endangered seabirds with International Dark Sky Association-approved lighting at Kahe Power Plant and CIP Generating Station.



Above left: *Sargocentron xantherythrum*, commonly known as Hawaiian squirrelfish, nestle under a ledge. The species also are known as striped squirrelfish for their white stripes and brilliant red hue. Above right: a monk seal makes a pass by research divers during a survey transect off Electric Beach.



Building Resilience in West O'ahu



Kapolei Energy Storage

Hawaiian Electric is working hard to provide affordable, reliable electric service and clean, sustainable energy resources for our customers with the goal of building resilient communities that can withstand the impacts of geopolitical events and natural hazards.

Our grid resilience program was approved by the Public Utilities Commission shortly after the U.S. Department of Energy awarded Hawaiian Electric a \$95 million grant under the federal Infrastructure Investment and Jobs Act, reducing the cost to our customers by half. The focus of the resilience program is to help defend our five island grids against the increasing threat of wildfires and harden them against severe weather-related events.

Kapolei Energy Storage, a 185-megawatt, 565 megawatt-hour battery storage facility, came online in 2023 to help fill the gap after the closure of the only coal plant in the state. The project enhances the reliability of O'ahu's grid and accelerates the integration of more renewables. Five other solar-plus-storage projects – located in West O'ahu, Wai'anae, Kunia, 'Ewa and Central O'ahu – are expected to come online in 2024.

Our latest phase of renewable energy procurements for O'ahu resulted in the selection of three solar-plus-storage projects and four firm (biofuel) projects that will further reduce our dependence on imported oil for power generation and produce clean electricity when solar and wind are not available. If approved by the PUC, these projects are expected to be completed between 2026 and 2033.

The guiding process behind our vision for an energy future powered by 100% local, clean energy is known as Integrated Grid Planning. As we plan for improved energy resilience and decarbonized island grids, community feedback remains critical to this process. Our next phase of renewable energy procurement is aimed at stabilizing utility rates and advancing energy equity, growing the marketplace for customer-scale and large-scale renewables, creating a modern and resilient grid, and securing reliability through diverse energy sources and technologies. We invite you to be a part of the Hawai'i Powered future. Learn more at hawaiipowered.com.

2023 Contributions to Wai'anae, Nānākuli, Kapolei & Makakilo communities

- ◆ Ahupua'a O Nānākuli Homestead
- ◆ Aloun Farms
- ◆ Boys & Girls Club of Hawaii
- ◆ Island Pacific Academy
- ◆ Kalaeloa Heritage and Legacy Foundation
- ◆ Kapolei Chamber of Commerce
- ◆ Kapolei High School
- ◆ Mālama Learning Center
- ◆ Mauka Lani Elementary School
- ◆ Nā Kama Kai
- ◆ Nānākuli High School
- ◆ Native Hawaiian Health & Wellness Summit held at UH West O'ahu
- ◆ Prince Kūhiō Parade in Kapolei
- ◆ Pu'uuhonua O Wai'anae
- ◆ Teach For America
- ◆ U.S.VETS Wai'anae
- ◆ University of Hawai'i - West O'ahu
- ◆ Valley of Rainbows
- ◆ Wai'anae Coast Community Foundation
- ◆ Wai'anae Coast Rotary Club
- ◆ Wai'anae Economic Development Council
- ◆ Wai'anae Hawaiian Civic Club

Supporting our Communities

Education, health, safety, environmental stewardship and wildfire mitigation programs were key priorities supported by Hawaiian Electric in the West O'ahu community, including:

Sustaining the What's Next Initiative program at the Boys & Girls Club of Hawaii, helping ensure students at the West O'ahu clubhouse receive the mentoring and motivation to graduate high school, pursue post-secondary education and explore career opportunities.

Awarding a \$1,000 scholarship to a deserving Nānākuli High senior as part of the Hawai'i Lodging & Tourism Association's 19th annual Citizen-Scholar Awards. The 2023 recipient David Kalili graduated top of his class, served as team captain of the Nānākuli Golden Hawks football team earning student athlete of the year and MVP accolades for football and paddling, and volunteered hundreds of hours in the community. Now at California Lutheran University, David's goal is to establish a nonprofit that can aid the houseless families living along the Wai'anae Coast.



Chris, Kristina and David Kalili with Hawaiian Electric's Christy Tomas at the HLTA Citizen-Scholar Awards.



Photo courtesy of Nā Kama Kai

Sponsoring Nā Kama Kai's ocean clinics and youth community center at Pōka'i Bay. The clinics teach keiki valuable water safety skills and traditional Hawaiian ocean culture while the community center provides a safe space for keiki to access meals, tutoring and ocean knowledge mentorship.

Investing in the Pu'uuhonua O Wai'anae Farm Village Project developed by Dynamic Community Solutions to provide safe, sustainable and affordable housing and farming opportunities for the working houseless living at the Wai'anae Boat Harbor. Hawaiian Electric also is collaborating with the nonprofit to install electricity service to the village.

Partnering with the Mālama Learning Center in developing green firebreaks that use native plants to provide fire-resistant vegetation in West O'ahu. Hawaiian Electric volunteers also helped to create a green firebreak at MLCs Ola Nā Kini restoration site in Makakilo, where fast-burning invasive species were replaced with strips of native vegetation to help resist and slow wildfires.



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