

# 2022-2023 West O'ahu Report



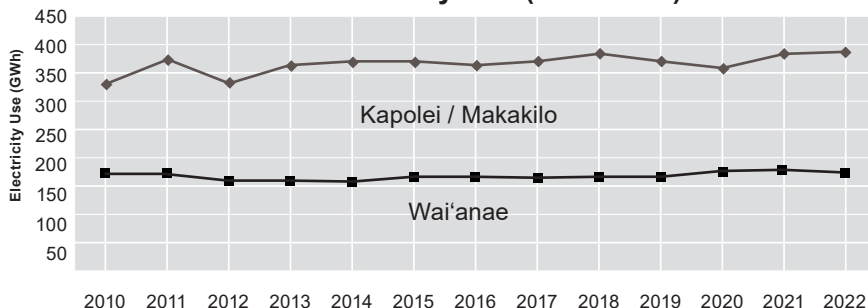
In West O'ahu, Hawaiian Electric's Campbell Industrial Park (CIP) Generating Station is a 130-megawatt fuel-flexible power plant that includes a 128-kilowatt photovoltaic solar system to power plant operations using the sun. Before the CIP Generating Station was developed, Hawaiian Electric and West 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

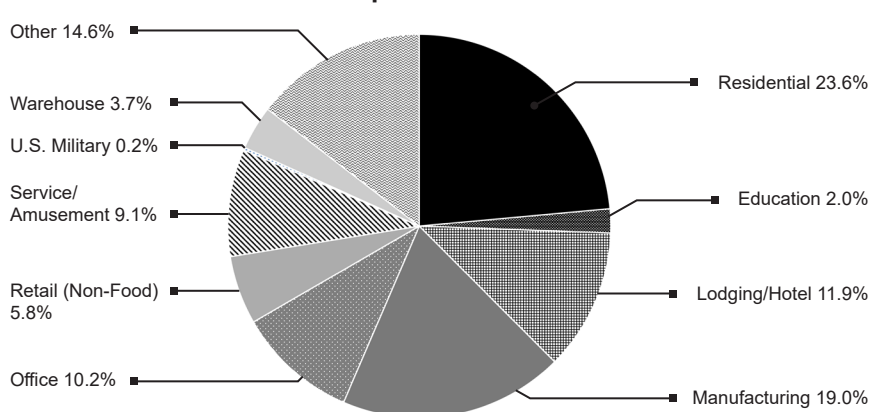
Residential electricity use in the Wai'anae and Kapolei/Makakiko districts experienced a slight decline in 2022, while electricity usage rose among commercial customers across West O'ahu. Lodging/hotel and services/amusements in Kapolei and Makakilo saw the biggest growth partly due to a full year of reopened tourism and rebound of the economy.

In Wai'anae, where residential electricity consumption accounts for about 55% of usage, overall electricity use in the area was down 2.6% even with the slight increase in commercial usage. In Kapolei and Makakilo, the uptick in commercial electricity consumption was offset by a slight drop in residential usage, for a less than 1% increase in the area.

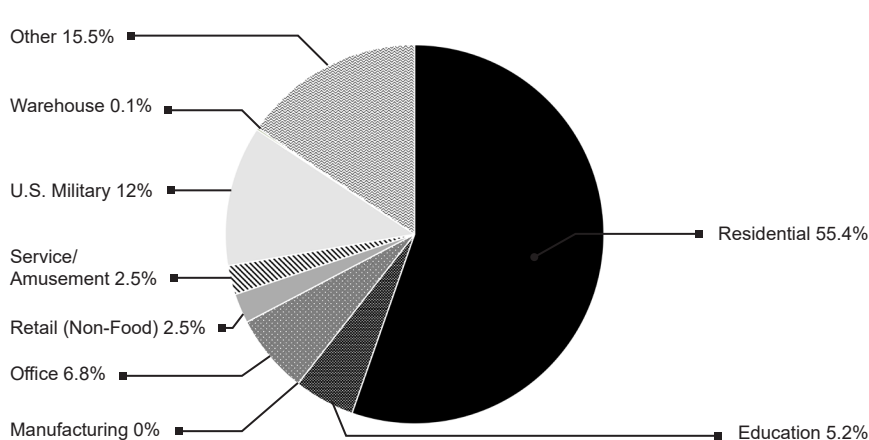
Total Electricity Use (2010-2022)



Kapolei / Makakilo



Wai'anae



## Monitoring our Impact

At Hawaiian Electric, protecting the environment and ensuring the safety and health of the public is an important responsibility 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](http://westoahuair.com). Due to the building permit queue, the Wai'anae station relocation was delayed and operation is expected to resume in 2023.
- ◆ Study and monitor fish communities and populations along O'ahu's Leeward Coast. Annual surveys can be found at [hawaiianelectric.com/westoahu](http://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.



# Powering Hawai'i



Renewable and Resilient Energy Community Workshop in Wai'anae.

**D**ecarbonizing our electric system and working collaboratively with communities to achieve a sustainable, resilient energy future remain top priorities for Hawaiian Electric.

More importantly, engaging communities in the energy procurement process to ensure host communities are fairly benefitting from new firm and renewable generation projects came about in large part because of West O'ahu leadership advocating change.

Hawai'i Powered, an initiative launched in 2022, gives a voice to communities through in-person engagement and an online hub where individuals can suggest ideas for a future powered by 100% local, clean energy. Hawaiian Electric's Renewable and Resilient Energy Community Workshop in the Wai'anae Moku gained valuable insight from the community on areas that may benefit from microgrids and improve energy resilience.

The island's first two utility-scale solar and battery facilities are now online in Central O'ahu and another solar-plus-battery energy storage system in West O'ahu is expected to reach commercial operation in 2023.

Expanding shared solar, transportation electrification, advanced meter installations and innovative programs and rate structures are other ways the company is taking action on climate change and giving customers more choices.

## 2022 Contributions to Wai'anae, Nānākuli, Kapolei & Makakilo communities

- ◆ Achieve Zero
- ◆ Ahupua'a O Nānākuli Homestead
- ◆ Aloun Farms
- ◆ Boys & Girls Club of Hawaii
- ◆ College in 7 (for Nānākuli students)
- ◆ Hui Aloha
- ◆ Island Pacific Academy
- ◆ Kapolei Chamber of Commerce
- ◆ Kapolei High School
- ◆ Kapolei Local Emergency Action Network (KLEAN)
- ◆ Kuleana Coral Reefs
- ◆ Makaha Learning Center
- ◆ Mālama Learning Center
- ◆ Nā Kama Kai
- ◆ Nānākuli High School
- ◆ Teach For America
- ◆ U.S.VETS Wai'anae
- ◆ Ulu A'e Learning Center
- ◆ Wai'anae Coast Community Foundation
- ◆ Wai'anae Coast Rotary Club
- ◆ Wai'anae Community Re-Development Corporation (MA'O)
- ◆ Wai'anae Economic Development Council
- ◆ Wai'anae Hawaiian Civic Club

# Strengthening our Communities

**H**awaiian Electric has been working together with West O'ahu nonprofits, organizations and leadership to build strong, sustainable and resilient communities through corporate contributions, sponsorships and partnerships. Highlights of the efforts in 2022 include:



Christian and his mom, Aurora Collado Freitas.

**Advancing higher education** for students such as Nānākuli High's Christian Collado, recipient of a Hawai'i Lodging and Tourism Association Citizen-Scholar Award sponsored by Hawaiian Electric. Christian intends to pursue a degree in film at the University of Hawai'i – West O'ahu.

*"... being able to inspire others with my artistry in film is what motivates me ..."*

– Christian Collado

**Creating job and career opportunities** through the Aloha Construction Foundations Program offered by the Makaha Cultural Learning Center, which provides a classroom and innovation space for leadership and trades training. Graduates can springboard to jobs in the construction industry.

**Taking care of our environment** through the Mālama Learning Center's Ola Nā Kini reforestation program in the Honouliuli and Nānākuli watersheds, and Kuleana Coral Reef's fish and coral population studies and coral restoration work in West O'ahu.



A diver transports rescued coral. Photo credit: Kuleana Coral Reefs

**Ensuring seniors are disaster-prepared** through the Valley of Rainbows nonprofit, which teamed up with the Nānākuli High & Intermediate Lady Hawks basketball team members to deliver 250 backpacks containing emergency supplies and resources to seniors in Nānākuli and Wai'anae.

*"We're so thankful for Hawaiian Electric's support and partnership ... there were so many grateful kupuna ... and it was rewarding for the young ladies to share."*

– Denise Keliikoa, Valley of Rainbows

**Helping government and community leaders** better understand power generation challenges through tours of our Kahe Power Plant and CIP facilities, and partnering with Solarize Wai'anae to help residents and small local businesses purchase and install clean energy technologies through crowd sourcing.



Kahe Power Plant tour

**Celebrating the return of in-person holiday festivities** with the community including the Kapolei City Lights Parade, Christmas at Nānākuli Village and Christmas on the Avenue in Nānākuli, among others.