

Kaua'i Island Utility Cooperative

CURRENTS

**Electric
Jiu-Jitsu
Dads:
On Grit &
Gratitude**



INSIDE

Storm Sense Stay Cool for Summer Red Cross Heroes

**SUMMER
2024**

2024 REBATES

RESIDENTIAL & COMMERCIAL MEMBERS

*Save even more this year on
energy-efficient appliances & EV chargers.
Eligibility requirements & applications online.*



RESIDENTIAL APPLIANCES

\$100 Clothes Washers
\$100 Clothes Dryers
\$100 Refrigerators
\$100 Freezers



RESIDENTIAL EV CHARGERS

Level II Residential EV Charger
Up to \$500 of the materials and
installation costs



COMMERCIAL EV CHARGERS

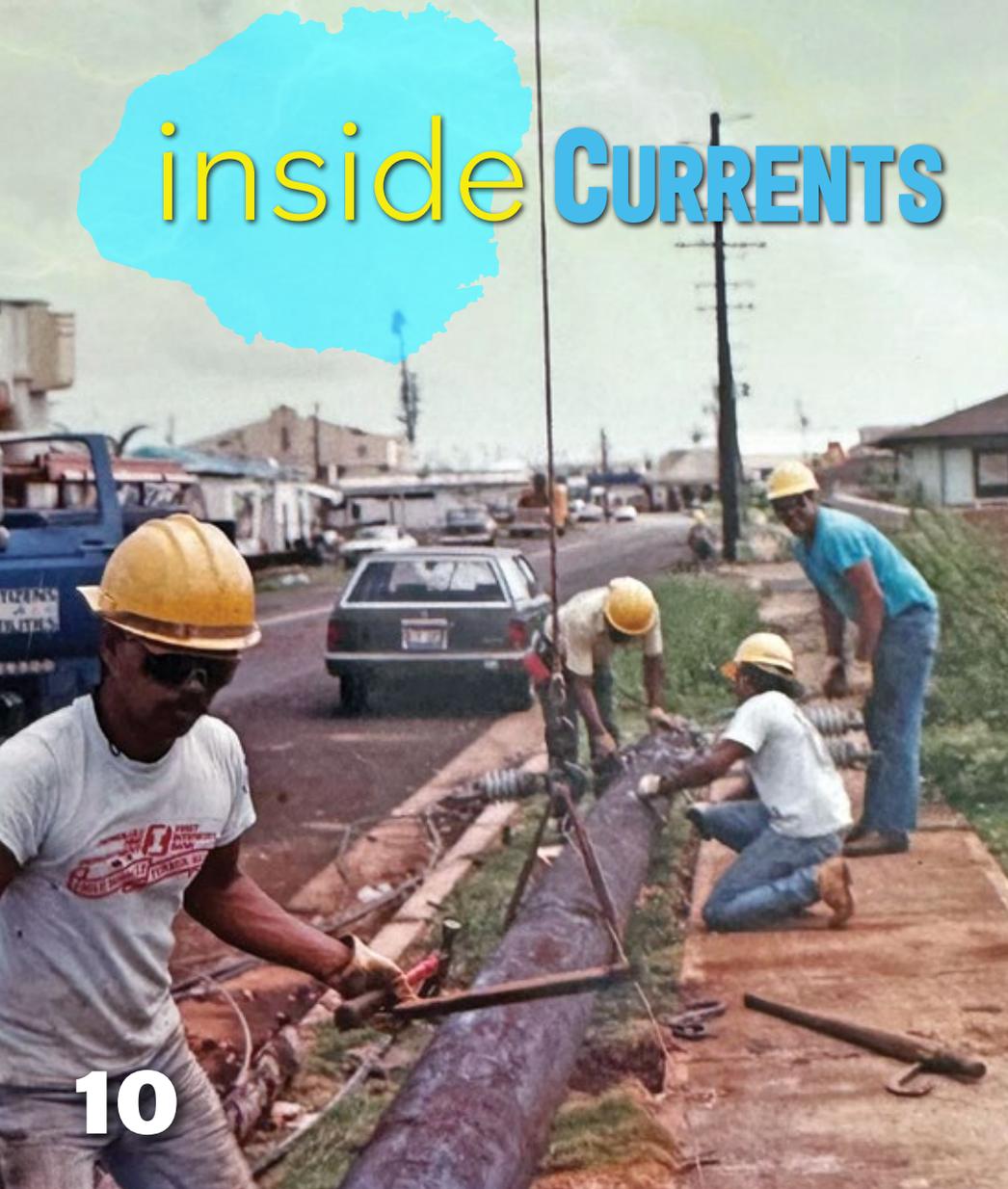
New or Retrofit Level II Multi-Port EV
Charger
Up to \$10,000 based on installation costs

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 info@kiuc.coop
 www.kiuc.coop

 **Kaua'i Island
Utility Cooperative**
Your Touchstone Energy® Cooperative 

inside CURRENTS



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Go Paperless

Currents is mailed quarterly to members of Kaua'i Island Utility Cooperative. All issues are available online at kiuc.coop. Want to go paperless? Send a note to currents@kiuc.coop to be taken off the mailing list. Thank you for reading Currents.

KIUC is an equal opportunity provider and employer.



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Editor

Beth Amaro

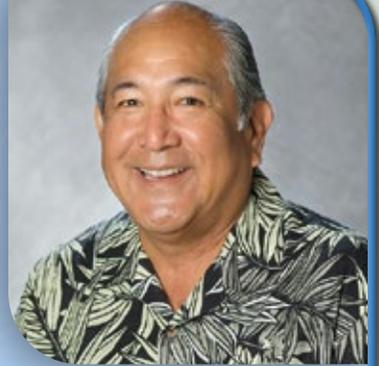
Contributors

Beth Amaro, Allan Smith, Dee Crowell, Peter Yukimura, Allison Young, Brooks Braun, Shelley Paik, Padraic Gallagher, Dee Sharon De La Pena, Hallie Christobal, Stacie Dellamano, Jackie Kanna, Joey Liebrecht, Jennifer Paton

On The Cover

KIUC engineers Royce Ramos and Brandon Simpliciano

Chairman's Message



Cooperative Communication

KIUC has had another successful year as a cooperative, continuing to serve our community in large and small ways. You've most likely seen our board of directors and staff members at local events, educating members of all ages and supporting causes that help our residents. We continue to communicate with our members directly through a spectrum of resources so all of our members have access to up-to-date information.

- Currents magazine is printed quarterly and is one of the few remaining print resources on Kaua'i. It contains relevant news about KIUC and the community.
- Our website, www.kiuc.coop, includes an outage center and information about our many programs.
- The SmartHub app is available to manage your account, receive notifications and pay online.
- Residents can sign up for informational emails on the home page of our website.
- We offer the Questline e-newsletter for commercial members. Sign up by contacting our Energy Services team at energyservices@kiuc.coop.
- KIUC shares up-to-date information on outages and much more via social media accounts on Facebook, Instagram and X.
- Our call center is available 8 a.m.-4 p.m. Monday through Friday at 808.246.4300.

It's that time of year again to talk story in person. Save the date for the KIUC Annual Membership Meeting.

KIUC Annual Membership Meeting
Wednesday, July 31, 5:30 p.m.
Kaua'i Philippine Cultural Center
4475F Nuhou Street, Lihue, HI

We look forward to seeing you there!

Allan A. Smith

Calling All Student Artists: It's Time for the 2025 Calendar of Student Art Contest

KIUC is accepting artwork submissions for the 2025 calendar electronically. No physical submissions are accepted, but most of our traditional rules apply.

For more information, please visit the Calendar of Student Art page on KIUC's website, kiuc.coop/calendarcontest.

The deadline is Wednesday, October 16, 2024.

Board Actions

Actions taken by the KIUC Board of Directors from March to April 2024.

Board Insights

MARCH 26, 2024 - Annual Meeting of the Board

Motion carried, election of officers and committee appointments.

MARCH 26, 2024

Motion carried, Board Policy 10, legal representation and use of attorneys.

Motion carried, Board Policy 30, electric rates and rate design.

Motion carried, BAR - S1 exciter.

Motion carried, BAR - PAGES synchronous condenser converter.

APRIL 30, 2024

Motion carried, BAR - 'Ili'ili'ula 36" siphon replacement write-off.

Motion carried, KVMH loan application summary.

Motion carried, NTBG loan application summary.

How to File a Claim

PUC Decision and Order No. 19658 | Effective: November 1, 2002

To file a claim, visit kiuc.coop/file-claim.

A. The Company will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient supply of electric energy to the customer, and to avoid any interruption of delivery of same. The Company will not be liable for interruption or insufficiency of supply or any loss, cost, damage or expense of any nature whatsoever, occasioned thereby if caused by accident, storm, fire, strikes, riots, war or any cause not within the Company's control through the exercise of reasonable diligence and care.

B. The Company, whenever it shall find it necessary for the purpose of making repairs, changes or improvements to its system, will have the right to suspend temporarily the delivery of electric energy, but in all such cases, as reasonable notice thereof as circumstances will permit, will be given to the customer, and the making of such repairs, changes or improvements will be performed as rapidly as may be practicable, and if practicable, at such time as will cause the least inconvenience to the affected customer.

C. Should a shortage of supply ever occur, the Company will apportion its available supply of electricity among its customers as authorized or directed by the Public Utilities

Commission. In the absence of a Commission order, the Company will apportion the supply in the manner that appears to it most equitable under conditions then prevailing. Any rules, regulations, rates or contracts of the Company which are inconsistent with such order or plan shall be deemed suspended while such order or plan is in effect and the Company shall not be liable when it acts in substantial compliance with such order or plan.

D. On a semiannual basis, the Company shall provide to the customer notification of the customer's right to file compensation claims with the Company for any loss, cost, damage or expense caused by an interruption of service. The notification shall be on a separate information sheet enclosed with the billing.

E. For a customer's compensation claim to be valid, it must be filed with the Company within thirty (30) days of the interruption of service. The Company shall review every claim and shall compensate the customer for any loss, cost, damage or expense as determined by the Company to be within the Company's control.

Federal Grants Electrify KIUC's Innovation and Resiliency Efforts

By Dee Crowell

In 2021, Congress approved what has been called “the largest investment in the resilience of physical and natural systems in American history.” The Infrastructure Investment and Jobs Act provided \$1.2 trillion in funding for improvements in roads, transit systems, drinking water systems, ports, schools and, of course, energy.

Accessing this funding isn't easy. The grant application process is lengthy and time-consuming. In the energy sector, there are tens of thousands of entities all over the country competing for a share of this once-in-a-lifetime funding opportunity.

KIUC got into the queue and submitted multiple applications during 2023. It was a success. Two projects were funded via an application submitted by the Hawai'i State Energy Office for \$17.9 million in federal funds, to be matched by KIUC.

One project, titled Synchronous Condenser Conversion Technology, will add grid-forming capability to an existing generator at the Port Allen power station. This will create greater grid stability when we're running on a high percentage of distributed variable renewable generation (i.e., daytime solar).

The second project, titled Utility Solar Grid Forming

Technology, will add battery storage and advanced grid-forming inverters to up to three existing solar power plants. This will create a hybrid power supply with enhanced dispatchability and greater resource availability, resulting in a more reliable and resilient island grid.

In addition to the funding via HSEO, KIUC received support for the USGFT project via the Powering Affordable Clean Energy Program, created via the Inflation Reduction Act in 2022. The combination of these funding sources will reduce KIUC's total investment in this project by more than half.

The IRA created additional funding opportunities through the Empowering Rural America program and gave cooperative utilities the ability to access investment tax credits for renewable energy projects. KIUC is actively seeking the use of these resources and has submitted more grant proposals for the second round of Infrastructure Investment and Jobs Act available funding. KIUC projects have been proposed via HSEO and the National Rural Electric Cooperative Association.

The IJA program will continue to fund projects through 2026. Be assured that KIUC will persist in seeking additional help from our federal partners. Every dollar saved as we build a more resilient grid is a benefit to our members. 🌱

KIUC's CEO David Bissell (second from left) and other cooperative executives were recently acknowledged by U.S. Secretary of Agriculture Tom Vilsack (fourth from left) for receiving federal funding awards.



The Great Water Heater Debate: Heat Pump or Solar?

By Peter Yukimura, Board of Directors

If it's time to replace your home's water heater, you may want to consider an energy-efficient solar water heater or a heat pump water heater. KIUC offers financial assistance for both. Read on if you're unsure which one will best suit your needs.

Heat Pump Water Heaters

Heat pump water heaters require space inside your home or garage. They use electricity to move heat from one place to another instead of generating heat directly. Heat pump water heaters have lower up-front costs than solar water heaters.

KIUC offers a \$500 rebate to replace an existing electric water heater.

Solar Water Heaters

Solar water heaters come in a wide variety of designs. All include a collector and storage tank, and all use the sun's thermal energy to heat water.

Solar water heaters require space on the roof to install solar water heater panels. These cost more up front, but can lead to even more savings on your energy bill. Of course, you need to live in a location that receives adequate sunlight.

KIUC partners with trade allies to install solar water heaters for members who are interested in replacing their existing water heater with a solar water heater. For financing, we offer a zero-interest loan with Gather Federal Credit Union or a \$1,500 rebate through one of our trade allies:

Gather Federal Credit Union

gatherfcu.org
808.245.6791
(zero-interest loan only).

Arroyo's Plumbing and Repair

teddyarroyo96766@gmail.com
808.634.5635

Poncho's Solar Service

ponchoss@hawaii.rr.com
808.422.4266

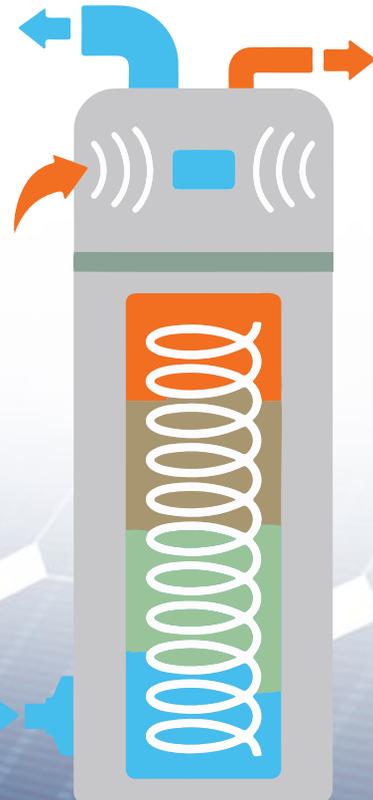
Sun King Solar

frontdesk@sunkinghawaii.biz
808.245.6570

The rebate applies to whole system—panels and tank—solar water heater installations only.

What's Right for You?

It comes down to what system you have in your home now and what best suits your budget. For more information, call us from 8 a.m.-4 p.m. Monday through Friday at 808.246.4300, or send us a message at kiuc.coop/contact-us.



We are so grateful that KIUC is supporting home electrification through heat pump hot water rebates. Heat pumps are pure magic! I'll never forget how my heat transfer professor in college prefaced his lecture on heat pumps: "Now that you have learned the three unbreakable laws of thermodynamics, we introduce you to heat pumps, which seemingly break these laws because they produce more energy than they consume. But we promise you this isn't the case and there can be no such thing as a perpetual motion machine. Heat pumps move free energy through exo or endothermic gases from outside your home to inside your home. It's like putting \$1 into your heat pump and getting \$5 to 7 out!"

Thanks to KIUC and federal subsidies we found on rewiringamerica.org, we have our very own magical hot water heat pump in our home. And with our solar system, it's truly guilt-free hot showers for all. What a lux feeling!

Eva, Princeville resident

Electric Jiu-Jitsu Dads:

By Allison Young



Brandon, standing third from top left, with his jiu-jitsu 'ohana at Full Armor Academy of Hanapepe.

Grit

KIUC's Brandon Simpliciano sums up his approach to life by quoting martial artist Bruce Lee: "I fear not the man who practiced 10,000 kicks once, but I fear the man who has practiced one kick 10,000 times."

Brandon and co-worker Royce Ramos are both electrical engineers working in KIUC's Transmission and Distribution department. Born and raised on Kaua'i, they went to college off-island and came back to Kaua'i to work and raise their families.

Both view returning home and gaining employment as a catalyst to excelling in their profession. Embracing Ho'okela—one of KIUC's Ho'oka'ana Waiwai shared values meaning excellence—they view education as a lifelong pursuit.

Together, Brandon and Royce recently passed the Hawai'i State professional engineering exam. Obtaining this license requires receiving a four-year college degree, passing an eight-hour fundamentals of engineering exam, gaining four years of experience, and passing an eight-hour principles and practice of engineering exam.

Royce, who graduated from San Diego State University with a degree in mechanical engineering, says he struggled with his sense of purpose while working part-time jobs through college.

"I wasn't experienced enough to know if I would really enjoy being an engineer," he says. "It was stressful to think that I would waste all this time and energy for a career I wouldn't like."

Royce has worked for KIUC for nine years.

"Engineering is the backbone of our infrastructure and society," he says. "This line of work makes me feel like I am making a difference on my home island when my decisions directly affect the price stability and reliability of electricity for my family, friends and myself."

Brandon grew up in "KekaHOT" and was the first in his family to graduate from college. He received an electrical engineering degree from the University of Hawai'i at Mānoa in honor of his grandfather, a Filipino immigrant who Brandon says went straight into labor at a young age and worked as a ditchman at the Waimea hydropower plant alongside electricians and engineers.

Although his grandfather did not have the opportunity, "I became an engineer to pay homage to the man who raised me," Brandon says.

As substation operations supervisor and SCADA engineer, Royce and Brandon help keep Kaua'i's grid stable. They are instrumental in helping KIUC reach its goal of 100% renewable energy by 2033.

"We're on an island, in the middle of the Pacific, generating and supplying our own electricity," Brandon says. "We're doing it in ways the world has never seen before. I'm always proud to be working with people who have the same drive and passion for elevating our island."

At Miko's second birthday party, clockwise top left: Miko (2), Brandon, Kathleen, Jayden (13), Kairi (7), Logan (5).



On Grit & Gratitude



Royce with his family and daughter Sami, catching akule at Anini family camping trip.

"I don't think people really see the impacts we are making to revolutionize the utility industry. We're the gold standard. KIUC is the bar, and the rest of the world is working to catch up to us."

Brandon Simpliciano

Gratitude

To balance out their lives, Royce likes to ride bikes and motorcycles with his daughters, Indi and Sami, and his father, brother-in-law and friends. Royce trains in jiu-jitsu and kickboxing at Jiu-jitsu 967.

Brandon enjoys jiu-jitsu, bodybuilding, fishing and camping with his fiancée, Kathleen. The couple and their four children— Jayden, Kairi, Logan and Miko—live in Kekaha.

Gratitude is a big part of both men's perspectives.

"Remain thankful, cultivate good thoughts, attract blessings," Brandon advises.

Royce agrees, and adds, "Mahalo Ke Akua for getting me to where I am," he says. "Thanks to my parents for always supporting me. I want to shout out Brandon because he inspired me to finally take the test. And my supervisor John Cox also pushed both of us to take the test and provided his approval. I wouldn't have gotten my P.E. without them." 🙌

For the Keiki:

"Teach yourself, learn on your own, take care of your health, and become financially literate."

- Royce

"Kaua'i is special man, is more than just where home stay. Kaua'i is your biggest fan. When you go out into the world and make one name for yourself, plenty people going to ask, "So, tell us about where you're from, and what the world should know about you." Tell em' Kaua'i as why. And watch everyone back at home catch chicken skin. No better feeling."

- Brandon

Prepare Today, Thrive Tomorrow

By Beth Amaro



Kaua'i Electric line crews make repairs following Hurricane 'Iniki in 1992.

Dwight Akita remembers it like it was yesterday.

"I was only 23 when I was sent in the field to work with the line crews after Hurricane 'Iniki," he says. "They taught me the importance of safety and being prepared. It's something I carry with me every day."

Thirty-two years after 'Iniki, Dwight still helps keep the lights on as a field services representative, along with the rest of KIUC's 140 employees who share a strong commitment to being prepared for the worst.

"Emergency preparedness has expanded so far beyond the hazards we've historically experienced in Hawai'i, like hurricanes and tsunamis," KIUC Chief of Operations Brad Rockwell says. "Utilities and others are now concentrating more on a so-called 'all hazard' approach to contingency planning."

KIUC has broadened its emergency preparedness activities during the past two decades to include developing plans and conducting exercises for cyberattacks, terrorist attacks and active shooter incidents.

While KIUC's crisis planning has always accounted for high wind and wildfire events, the tragic Maui wildfires of August 2023 resulted in a focused effort to prevent and mitigate the potential effects of wildfires.

Last September, KIUC secured a consultant to help draft a wildfire mitigation plan. While the plan still requires some stakeholder consultation and public input before finalization, KIUC has already moved ahead with some of the initiatives proposed in the plan.

Red-Flag Warning Protocols

Specific decisions and actions to be taken during RFW events were developed and implemented. These include whether localized circuits should be deenergized or set to not automatically reclose once they're opened; notification of members with special medical needs in areas impacted by an RFW; and close coordination with other emergency response entities.

Vegetation Management

Additional technologies and manpower have been dedicated to better identify and trim potentially hazardous vegetation in high-risk areas.

Situational Awareness

KIUC has deployed weather stations on its infrastructure in key locations for improved internal forecasting and risk assessment. We've also cooperated with state, federal and county partners to install sensors on KIUC assets for their use and monitoring.

KIUC is an active participant in the State Wildfire Risk Reduction Task Force, a collaboration led by Adjutant General Kenneth S. Hara, who heads the State of Hawai'i's Department of Defense and Emergency Management Agency.

A focused preparedness mindset is essential to success for Brad, a retired Navy captain.

"Crisis readiness is a journey, not a destination," he says. "We've got to keep planning and keep prepping in order to keep safe." 🌩️

It's a Bird! It's a Plane! It's a Solar Inspection Drone!

By Brooks Braun, Kapaia Power Station Manager

Drone infrared inspections save the day for KIUC's solar PV panels

At a time when renewable energy sources are crucial to KIUC's future, photovoltaic solar panels stand as a key strategy. Routine maintenance and inspections are essential to maximizing their efficiency and longevity.

Imagine if Superman decided to take up a side gig helping maintain KIUC's solar PV panels at Anahola and Kōloa solar farms. While drones can't quite match the Man of Steel's speed or X-ray vision, they come pretty close with their infrared inspection capabilities and quickness.

Here's how these high-tech drones are a superpower solution for power supply workers performing solar maintenance at our sites:

Superhuman Vision, Minus the Tights

Superman's X-ray vision allows him to see through solid objects. While drones can't do that, they have their own superpower: thermal imaging.

With infrared cameras, drones can detect temperature variations in solar PV panels and identify hotspots, malfunctioning cells, loose connections or hidden damage. This means they can spot issues that remain invisible to the naked eye, just like Superman uncovering secrets.

Speed of Sound—Almost

Superman's incredible speed lets him respond to emergencies in a flash. Drones may not be as fast, but they can cover acres of a solar farm installation with incredible efficiency. They can swiftly scan large areas, ensuring no PV panel goes uninspected. Speed is indispensable in Kaua'i's climate conditions, where storms and salt air corrosion can cause damage.

Safe from Kryptonite

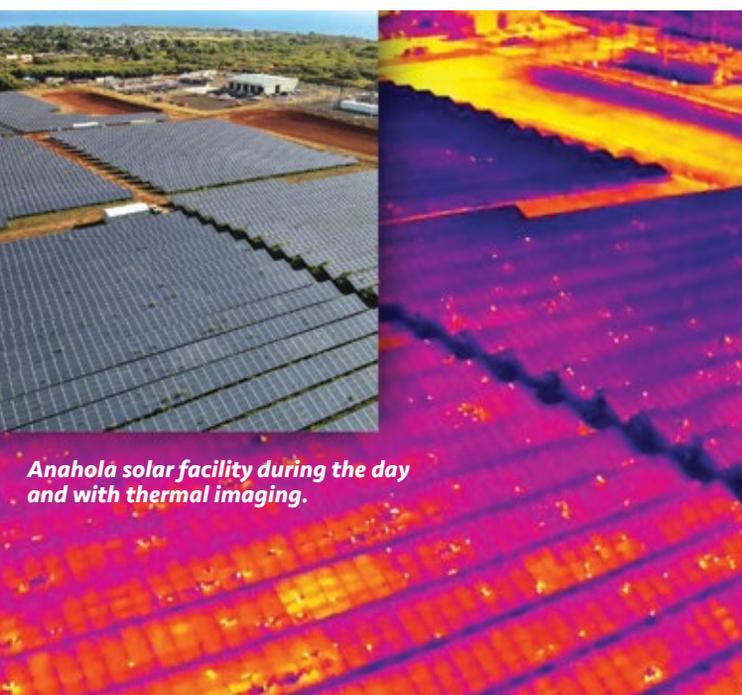
Superman's vulnerability to kryptonite is a well-known weakness, but drones are impervious to such threats. Traditional inspections often require KIUC personnel to navigate challenging environments, which can pose safety risks. When inspecting PV panels over rugged terrain, drones eliminate the need for costly aircraft services or technicians to

navigate these potentially hazardous environments, ensuring a safer method for all involved. Drones eliminate the need for physical access and can be 95% more efficient than traditional means, ensuring the safety of inspection teams while also reducing costs.

Cost-Saving Heroes

Superman saves the day without asking for payment, but drone inspections are cost-efficient heroes, too. By identifying issues early and reducing labor costs, they help Anahola and Kōloa solar farms save money immediately and in the long run. The increased energy production due to less downtime and lower maintenance expenses due to early detection pay off generously.

In the world of solar maintenance, drone infrared inspections are the closest thing we have to Superman. They offer superhuman vision, efficiency, safety, environmental responsibility and cost savings. As KIUC continues to lead the charge in clean energy, these super-tech heroes complement KIUC personnel and ensure Anahola and Kōloa solar farms operate their best. 🌱



Anahola solar facility during the day and with thermal imaging.



Jeff Garcia, KPS O&M Supervisor, operates the drone for solar panel inspections.



STAY COOL WITHOUT A/C

10 TRICKS TO BEAT THE HEAT

WINDOWS

- Open the windows and let natural tradewinds pass through the house.
- Close the drapes and blinds.
- Add window tint to your windows.

LANDSCAPING

- Plant trees or bushes near windows to get more shade.

CEILING FANS

- Turn on ceiling fans; they use less energy than air conditioners.
- Set the fan blades to run counterclockwise for cooling.
- Take advantage of KIUC ceiling fan rebates: kiuc.coop/cooling.

TURN OFF APPLIANCES

- Keep the stove turned off. Try some no-cook recipes or use the grill outside.
- Turn off and unplug unnecessary appliances. Dishwashers, washers and dryers may be the biggest culprits, but even phone chargers and small appliances can generate some heat in your home.

ENERGY.GOV

- Visit energy.gov for more ways to stay cool and save energy!

BEAT THE HEAT WITH OUR COOL REBATES

This residential program is designed to replace less efficient cooling systems and replace them with new, energy-efficient models. Qualifying rebates are credited to your account within 3-6 weeks from the date approved. New construction does not qualify.

Find forms at kiuc.coop/cooling and email info@kiuc.coop.



SPLIT AIR CONDITIONERS

\$250-350 for Split Air Conditioners with a SEER of 18 or higher



SPLIT AC MAINTENANCE

\$50 for Split Air Conditioner Maintenance (limit 2 per calendar year)

CALL US
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 info@kiuc.coop
 kiuc.coop

 **Kaua'i Island
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SPOT THE BIGGEST ENERGY USER

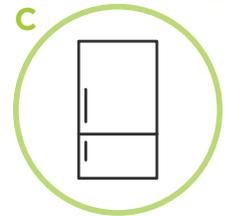
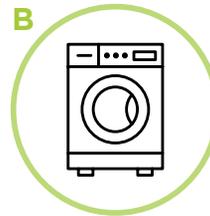
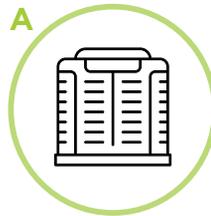
We use electricity every day, but we rarely think about the appliances and electronics that consume the most energy. Can you spot the biggest energy users?

Review each grouping below, then circle the one that you think consumes the most energy. Check your work in the answer key.



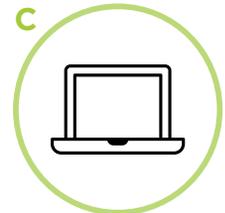
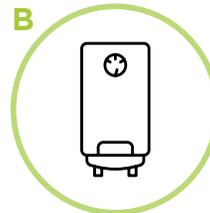
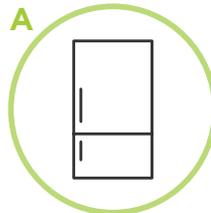
1.

- A) Heating and Cooling Unit
- B) Clothes Washer
- C) Refrigerator



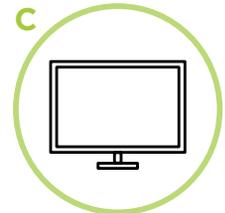
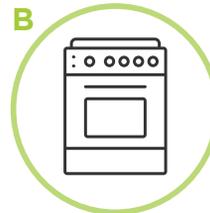
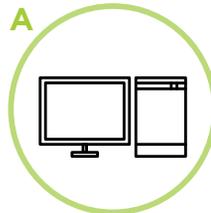
2.

- A) Refrigerator
- B) Water Heater
- C) Laptop Computer



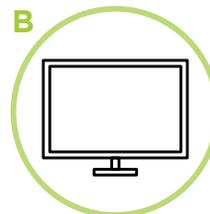
3.

- A) Desktop Computer
- B) Electric Oven
- C) TV



4.

- A) LED Lights
- B) TV
- C) Clothes Dryer



Answer Key: 1. A 2. B 3. B 4. C



Save Energy!

- Wash clothing in cold water and air-dry when possible.
- Only run full loads in the dishwasher.
- Turn off lights when you leave a room.
- Take short showers instead of baths.
- Unplug electronic devices when not in use.

ARE YOU READY FOR A STORM?

A serious storm can threaten the island at any time. Follow the tips below to help ensure your safety.



Make an emergency plan, where to go, what to do and how to meet up if you are separated from your family.

Keep trees around your home trimmed. Tie down or put away loose outdoor items to prevent them from becoming flying debris and causing damage.



Know evacuation routes and shelters.

Pack an emergency kit that can sustain you and your family for three to five days. Include such items as water, food, medication, a portable radio and batteries.



Know where your electrical and gas shutoffs are located.

Protect your pets by making an emergency plan and kit for them.



Monitor media reports, and follow instructions from public safety officials.

Keep copies of important documents, such as birth and marriage certificates, Social Security cards, passports, wills, deeds, finances, insurance and immunization records in a sealed waterproof bag.



For more information on disaster and storm preparedness, visit:
kiuc.coop/storm-sense | kauai.gov/KEMA
noaa.gov/hurricane-prep | ready.gov

American Red Cross Pacific Island Region

Become a volunteer for The American Red Cross!

Volunteers carry out 90% of the humanitarian work of the Red Cross. Whether helping one displaced family or thousands, providing care and comfort to an ill or injured service member or veteran, or teaching others how to respond in emergencies, it's through the efforts of ordinary people that we can do extraordinary things. The Red Cross responds to an emergency every 8 minutes, and our vital work is only possible because of people like you.



How can you help?

Available High Need Positions:

Distribution of Emergency Supplies Volunteer- Work after a large-scale local disaster to distribute recovery supplies as needed. Supplies include: cleanup kits, water, food, clothing or house items, etc. Must be willing to take online training, able to lift 20-50lbs and able to work in-person at an assigned distribution location.

Emergency Evacuation Shelter Worker- Shelter (SH) Service Associates (SA) are assigned to work in person in a Red Cross shelter before, during and/or after a disaster event. You'll complete tasks necessary for shelter operations and interact with clients to ensure their needs are met. You'll support the day-to-day activities within a shelter, which can include working in reception, registration, feeding, dormitory, information or other areas.

Recovery Care Caseworker-Work alongside our mental health and health services teams assisting with recovery needs of our clients. Distribute financial aid, make referrals to our partners for further assistance etc. Great networking opportunity for unlicensed nursing/mental health students. This is a hybrid role. Most of the work is virtual, but in-person opportunities available for those distributing funds etc.

Health or Mental Health Services Worker-Disaster Health and Mental Health Service Responders provide disaster care by meeting the disaster related health/mental health needs of clients through screening and providing support to other volunteers.

Scan with cell phone
camera to Apply



OR go to:
redcross.org/volunteertoday

To learn more, please contact our Sr. Volunteer Recruitment Specialist:

Mary.finley@redcross.org
808-284-6849

Look for the Heroes

By Padraic Gallagher, Kaua'i Red Cross Director



Red Cross Kaua'i honored volunteers at Anaina Hou in Kilauea.

Kaua'i Red Cross honored all disaster services volunteers at the Heroes Event on April 26 at Anaina Hou in Kilauea. More than 40 volunteers attended.

Karen White-Trevino, of Kekaha, was honored as Kaua'i Red Cross Volunteer of the Year for all of her hard work helping with sheltering in Maui and helping disaster action teams with health services during house fires here on Kaua'i.

Kaua'i County Mayor Derek Kawakami, Kaua'i Red Cross Advisory Council Chair Dan Giovanni and Maui Red Cross Advisory Council Chair Bob King honored all of the volunteers. They presented a special honor to Maui Disaster Program Manager Jenny Worth for her phenomenal effort helping with the Maui wildlife response and recovery.



Karen distributes emergency supplies in Wailua and Kōloa.



Red Cross volunteers from left, Steve Soltysik, Matthew Crane and Karen White-Trevino, help out at Kukui Grove on Kaua'i.

Red Cross volunteers were honored in April. From left are Leah Hatcher, Iyanah Wiltshire, Sophia Stein, Johan Stein, Ramon Martinez, Lisa Earsom, Carena Phillips, Gilbert Aquino and Steve Soltysik.



eliminating racism
empowering women

ywca

Kaua'i



SAVE THE DATE
SUNDAY 8.4.24

seventeenth annual

The Ocean Course at Hōkūala

Silent Auction, Prizes, Breakfast, Lunch and more!



If you need an auxiliary aid/service, other accommodation due to a disability, or an interpreter for non-English speaking persons, please contact YWCA Kaua'i at (808) 245-5959 or info@ywcakauai.org as soon as possible. Requests made as early as possible will allow adequate time to fulfill your request. Upon request, this notice is available in alternate formats such as large print, braille, or electronic copy.

2024 CALENDAR OF STUDENT ART

CONGRATULATIONS TO OUR SECOND-QUARTER WINNING ENTRIES!



ULULENA VINCENT
Fourth Grade
Kawaikini New Century PCS



ARIA PREM
Fifth Grade
Island School



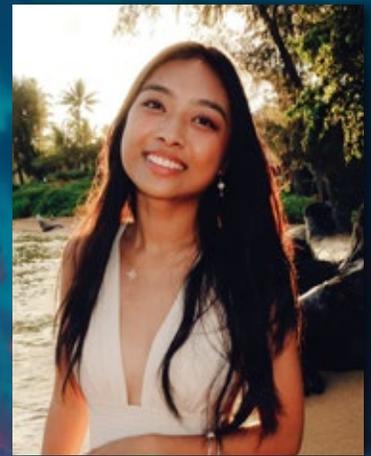
SORA DRESSLER
Sixth Grade
Chiefess Kamakahahei Middle School



Joveline Alvarez (Youth Tour 2023)
Waimea High School
Parents: Eloisa & Edgar Alvarez



Aukai Arruda
Kaua'i High School
Parents: Daurice & Clifton Arruda



Chenelle Mae Andres
Kaua'i High School
Parents: Nelson & Richelle Andres



Sarah Morioka (Youth Tour 2023)
Kapa'a High School
Parents: Julie & Danny Morioka



Bailey Ponce (Youth Tour 2023)
Island School
Parents: Sheryllée & Bryson Ponce



Eldon Siliado
Waimea High School
Parents: Reyton & Aileen Siliado



2024 *class of*

CONGRATULATIONS GRADUATES!



Lani Kass (Youth Tour 2023)
Hawai'i Technology Academy
Parents: Sonja & Andy Kass



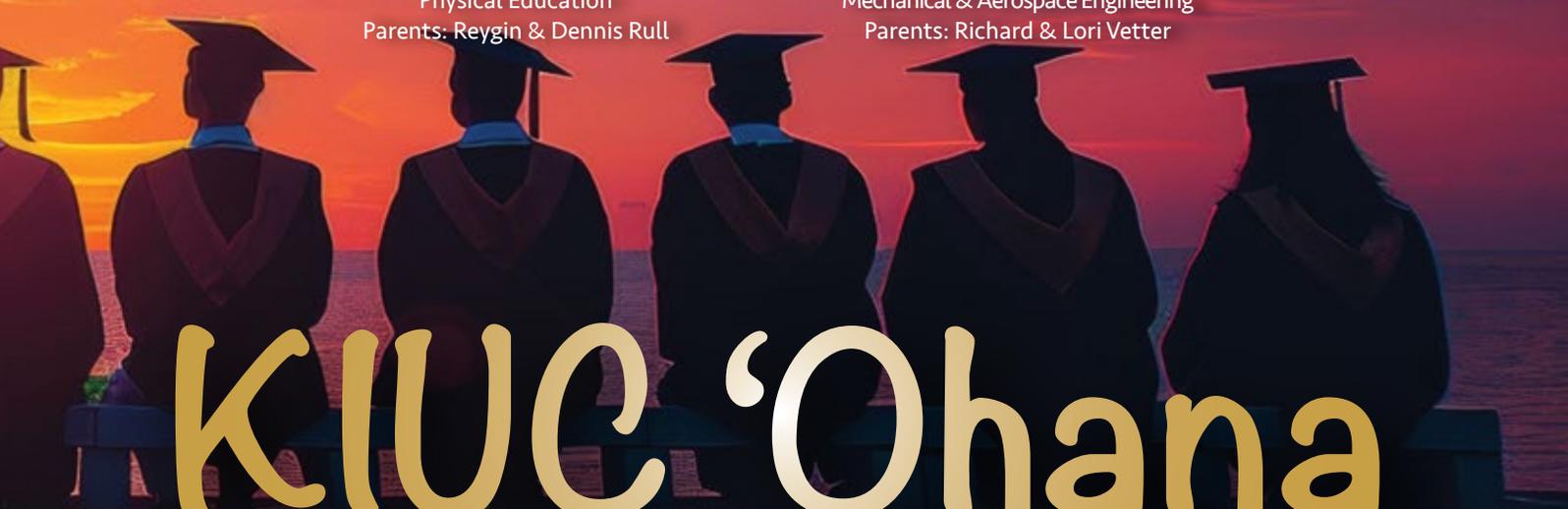
Bryden Kawakami
Kamehameha Schools Kapālama
Parents: Bransen & Bobbie Kawakami



Reydon Rull
Southwestern College, Kansas
Physical Education
Parents: Reygin & Dennis Rull



Thomas Vetter
University of Florida
Mechanical & Aerospace Engineering
Parents: Richard & Lori Vetter



KIUC 'Ohana

Where Are They Now? Scott Lopez, Youth Tour 2004

By Allison Young



For this issue, we talked story with Scott Lopez, an alumnus from KIUC's first Youth Tour in 2004. Scott is from Kaumakani and graduated from Waimea High. He received a Bachelor of Arts in visual communication from Hawai'i Pacific University. Scott lives in Līhu'e and works for 'Ohana Pacific Health.

Scott with his mother Estrella, wife Shayna and children Lindi and Spencer.

Aloha, Scott. What's your favorite memory from Youth Tour?

My favorite memory is from exchanging our local cultures on the long bus rides with our Kansas tour mates. In my experience, we were a lot alike—laidback, humble and respectful.

But watching our friends try hurricane popcorn and li hing mui seeds and gummies was fun!

Tell us about your path after graduation.

I graduated from Hawai'i Pacific University with a Bachelor of Arts in visual communication and ran a successful wedding film company until 2020. Now I work as an IT systems analyst for 'Ohana Pacific Health.

What do you like to do in your free time?

Volunteer work preaching da Good Kine Tings in Hawai'i Pidgin! When I'm not doing that, I'm playing pickleball, golf, board games or camping with the family.

Which one of KIUC's Ho'oka'ana Waiwai shared values most resonates with you?

Kuleana has a special place in my heart as I believe we all have a responsibility to care for what's been entrusted to each one of us. For me, that is my faith, family and community. 🌺



2024 Youth Tour delegates Scott Lopez, Jenna Lynch and Jessica Jacinto in front of the King Kamehameha statue in the U.S. Capitol.

Scott Lopez with fellow 2004 Youth Tour delegate Jessica Jacinto.



KIUC in the Community



KIUC at the Leadership Kau'i gala.



KIUC staff hosted an aid station at the Visitor Industry Charity Walk.



Hawai'i Technology Academy Charter School visited Port Allen Generating Station.



Kauai United Way donation.



Niumalu Beach Park workday.



KIUC employees at Earth Day events.

Member Mahalos

eliminating racism
empowering women
ywca

Aloha Kaua'i Island Utility Cooperative,

We are writing to acknowledge our receipt of a grant from Kaua'i Island Utility Cooperative to YWCA Kaua'i. As you know, our organization exists to serve our community and build a better tomorrow for all people through our work and mission of eliminating racism, empowering women and promoting peace, justice, freedom and dignity for all.

This grant from Kaua'i Island Utility Cooperative will be instrumental in supporting the 2024 PRIDE Parade and Festival.

We are very thankful for this funding. On behalf of our staff and board of directors, we thank you for your kind kokua in support of our work and our mission.

Mahalo,

Renaé Hamilton-Cambeilh

Executive Director

Dear KIUC,
We are so very grateful for the consistent and generous donations from KIUC through the years. This year we are mentoring 30 Bridge Scholars and we are proud to say that 30 more have attended and some have graduated from college!

Mahalo!
The Bridge: Kauai to College

Social Media Shout Outs

Thank you, the power has already been restored. Appreciate your hard work! Thank you, Kaua'i Island Utility Cooperative crews! Stay safe.

Praying for safety of your employees through this crazy weather.

Mahalo - restored so fast. Please continue to be safe.

Prayers for our utility workers. Thank you KIUC! Thank you Hawaiian Telephone! Our Police force, all our front line workers.

From Saturday 6:30 pm to Sunday 1 pm me and my neighbors were without power because a tree fell on a distribution line in an isolated area mauka and parallel to our road. KIUC set up a generator yesterday so we could have power and today have tree trimmers blazing a trail for the linemen and a helicopter doing reconnaissance checking the poles and breaks in the line. When I was talking to the KIUC worker who was refueling the generator, I told him I felt bad because this is a lot of work for servicing 3 houses. He said "no worry Aunty, this is our job." Mahalo KIUC

Kaua'i Independent Food Bank would like to say Mahalo Nui Loa to the KIUC 'ohana for the amazing KIUC Commercial Retrofit Program! KIFB was able to have new lights installed at our warehouse this week. What a difference! We are well lit and saving money and energy!

Kaua'i Independent
KIFB
FOOD BANK

Kaua'i Independent
FOOD BANK

Summer Delights

Mac Salad

3 cups macaroni, cooked
1 bag cauliflower rice
¼ onion, grated
½ cup to 1 cup mayo
Salt and pepper



Boil macaroni according to box directions. Drain and rinse. Microwave cauliflower rice in a microwave-safe bowl for 4 to 5 minutes. Add cooked pasta and the rest of the ingredients to a large bowl. Mix. Season to taste.



Sweet Potato Musubi

1 orange sweet potato Nori Furikake
½ cup teriyaki sauce Rice

Heat oven to 400 F.
Peel and cut the sweet potato into ¼-inch slices.
Brush both sides with teriyaki sauce. Bake for 12 to 15 minutes until fork-tender. Let the potato slices marinate in the sauce while you prepare the rice.
Cut the slices to fit a musubi maker. Layer rice into the mold. Sprinkle with furikake. Add sweet potato and another layer of rice. Wrap in nori.



Ube Nice Cream

2 medium purple sweet potatoes, peeled and quartered
½ cup plant-based milk
¼ cup maple syrup
2 teaspoon vanilla extract
½ banana, frozen, optional
Lemon juice, to taste

Place potatoes in a medium saucepan. Add enough water to cover. Bring to a boil, then reduce heat. Simmer, uncovered, for 15 minutes or until tender. Drain. Spread evenly on a parchment-lined baking sheet. Freeze for at least 4 hours.
Transfer potatoes to a blender. Add frozen banana, milk, syrup, vanilla and lemon juice. Blend until smooth.



What the Hekka

1 block firm/extra-firm tofu, cubed
 1 package Saifun bean threads
 1 onion, cut into half-moon strips
 ½ cup carrots, julienned
 4 sticks celery, sliced
 1 clove garlic, minced
 1 tablespoon ginger, chopped
 8-ounce can bamboo shoots
 4-ounce can mushrooms
 ½ cup greens (for example, watercress/spinach/kale), chopped
 2-3 green onions, chopped

Sauce

¼ cup sugar
 ¾ cup soy sauce
 ¾ cup broth

Combine ingredients for the sauce in a medium bowl. Add tofu, and marinate for 15 to 20 minutes.

Soak bean threads in warm water for 10 minutes. Drain and cut into 3-inch lengths.

Add 2 tablespoons of water to a large wok. Heat and cook onion until translucent. Add carrot and celery, and fry for 2 minutes. Add garlic and ginger.

Add sauce (but not tofu), bamboo shoots and mushrooms. Add bean threads, and simmer for 5 minutes.

Add greens and green onion. Cook for 5 minutes. Add tofu, and cook until heated through.



Sharon De La Peña, RDN, LDN, CDE, MS

Ho'ōla Lāhui Hawai'i offers a variety of services, including primary care, dental care, behavioral health, fitness programs and outreach services. Ho'ōla Lāhui Hawai'i is dedicated to improving the health of our Kaua'i community through its clinical care and innovative integration of Hawaiian values. Visit hoolalahui.org for more information.

Hallie Cristobal, MS, UH Extension Agent for 4H Youth and Generational Programs

The Kaua'i County Cooperative Extension programs focus on agriculture and food systems, gardening, nutrition, health and wellness, youth and workforce development, the environment and natural resources. County agents are available for consultations and educational workshops. Visit 3060 Eiwa Street, Room 210, at the State Office Building in Līhu'e or ctahr.hawaii.edu, or call 808.274.3471.



HHSC KAUA'I REGION

Kaua'i Veterans Memorial Hospital (KVMH)
Samuel Mahelona Memorial Hospital (SMMH)
Kaua'i Region Clinics

E Pono Mau Loa ~ Always Excellent



WE ARE Kaua'i's comprehensive health care



Kaua'i Veterans Memorial Hospital

4643A Waimea Canyon Drive
Waimea, HI 96796
(808) 338-9431



The Clinic at Waimea

4643B Waimea Canyon Drive
Waimea, HI 96796
(808) 338-8311



The Clinic at Port Allen

4353 Waialo Road
'Ele'ele, HI 96705
(808) 335-0579

The Clinic at Kalāheo

4489 Papalina Road
Kalāheo, HI 96741
(808) 332-8523





Ka'i Region

care provider with island wide coverage.



Samuel Mahelona Memorial Hospital
4800 Kawaihau Road
Kapa'a, HI 96746
(808) 822-4961



The Clinic at Kapa'a
4800 Kawaihau Road
Kapa'a, HI 96746
(808) 823-4157



OPENING SUMMER 2024

The Clinic at Lihue
Offering Psychiatry, and
Family Medicine Services
Hana Kukui Center - 2nd Floor
4463 Pahe'e Street, Suite 206
Lihue, HI 96766
(808) 241-5799



**The Specialty Clinic
at Kalaeo**
2469-C Puu Road
Kalaeo, HI 96741
(808) 378-4557



Urgent Care at Po'ipuu
2829 Ala Kalanikaumaka Street, B-201
Koloa, HI 96756
(808) 742-0999

Every year, KIUC is required by law to provide our ratepayers annual fuel mix and average electric cost information.

HRS [§269-16.4] Annual Fuel Mix Disclosure

- (a) Beginning June 1, 2004, and every June 1 thereafter, each retail supplier of electricity shall disclose fuel mix information by generation category to its existing and new retail electricity customers for the prior calendar year.
- (b) Beginning June 1, 2004, and every June 1 thereafter, each retail supplier of electricity shall state the average retail price of electricity (per kilowatt-hour) for each rate class of service for the prior calendar year. The average retail price of electricity for each rate class of service shall be determined by dividing the total electric revenues for each rate class of service by the total kilowatt-hours sold to each respective rate class.
- (c) The disclosure required by this section shall be:
- (1) Printed either on the customer's bill or as a bill insert; provided that this disclosure requirement shall not result in increased costs to ratepayers; and
 - (2) Posted and updated on the suppliers Internet website, if any.
- (d) As used in this section, the term "fuel mix" means the electricity sold to retail electricity customers expressed in terms of percentage contribution by generation category. The total fuel mix included in each disclosure shall total 100%. [L 2003, c 147, §2]

REVENUE

Rate Class of Service	Schedule	2023	2022	2021	2020	2019
Residential	D	\$72,799,495	\$75,465,976	\$67,665,717	\$59,717,210	\$63,200,462
General Lighting Service	G	\$25,300,210	\$26,093,654	\$22,610,142	\$20,151,493	\$24,116,311
Photovoltaic	J	\$18,568,588	\$19,180,115	\$16,724,413	\$14,988,419	\$16,924,144
Large Power	P	\$35,921,903	\$37,522,778	\$32,895,068	\$28,615,487	\$34,113,796
Large Power	L	\$16,103,719	\$15,393,949	\$12,897,520	\$11,635,762	\$15,334,559
Streetlight	SL	\$667,512	\$692,840	\$683,855	\$665,798	\$681,986
Irrigation		\$274,534	\$718,357	\$177,137	\$183,919	\$95,379
Total Revenue		\$169,635,961	\$175,067,669	\$153,653,852	\$135,958,088	\$154,466,637

KILOWATT-HOUR SALES

Rate Class of Service	Schedule	2023	2022	2021	2020	2019
Residential	D	193,949,903	191,954,669	186,243,561	177,182,391	181,264,409
General Lighting Service	G	65,513,392	64,503,026	60,188,554	57,698,004	67,417,715
General Lighting Service	J	51,701,064	50,969,236	48,348,244	46,668,526	51,256,543
Large Power	P	104,713,939	103,581,400	98,582,111	91,894,242	108,215,545
Large Power	L	48,904,680	44,142,800	40,153,191	39,586,355	51,265,330
Streetlight	SL	694,120	733,506	768,345	770,590	790,188
Irrigation		945,600	2,169,426	871,638	1,490,585	500,111
Total kWh Sold		466,422,698	458,054,063	435,155,644	415,290,693	460,709,841

AVERAGE RETAIL PRICE

Rate Class of Service	Schedule	2023	2022	2021	2020	2019
Residential	D	\$0.375	\$0.393	\$0.363	\$0.337	\$0.349
General Lighting Service	G	\$0.386	\$0.405	\$0.376	\$0.349	\$0.358
General Lighting Service	J	\$0.359	\$0.376	\$0.346	\$0.321	\$0.330
Large Power	P	\$0.343	\$0.362	\$0.334	\$0.311	\$0.315
Large Power	L	\$0.329	\$0.349	\$0.321	\$0.294	\$0.299
Streetlight	SL	\$0.962	\$0.945	\$0.890	\$0.864	\$0.863
Irrigation		\$0.962	\$0.331	\$0.203	\$0.123	\$0.191

Fuel Mix Generation*	2023	2022	2021	2020	2019
Biomass	42,126,000	51,555,105	48,478,815	48,362,580	51,323,475
Fossil Fuel	226,724,888	210,047,359	183,227,477	179,461,177	244,529,131
Hydro	64,618,702	56,421,176	64,807,237	62,391,722	54,249,974
Photovoltaic**	155,768,721	166,139,505	161,986,631	147,300,905	133,587,078
Total	489,238,312	484,163,145	458,500,160	437,516,384	483,689,658

* Gross Generation kWh

** Prior reports included own-use from customer-sited generation. Starting from the 2012 calendar year report, prior and current data revised to include only surplus energy from customer-sited generation.

Fuel Mix Percentage	2023	2022	2021	2020	2019
Biomass	9%	11%	11%	11%	11%
Fossil Fuel	46%	43%	40%	41%	50%
Hydro	13%	12%	14%	14%	11%
Photovoltaic	32%	34%	35%	34%	28%
Total	100%	100%	100%	100%	100%

KIUC Statement of Operations

For the Period - 01/01/2024 - 03/31/2024

By *Stacie Dellamano*

From the inception of the cooperative, its employees and members have contributed to the narrative of who Kaua'i Island Utility Cooperative is today: a resilient, adaptive and forward-thinking organization poised for continued renewable growth.

KIUC publishes quarterly financial results for transparency and accountability to its members. The financials serve several important purposes for KIUC, a not-for-profit organization: reviewing financial statements helps ensure and allows members to understand how the organization manages its financial resources; financial statements provide a snapshot of the organization's financial health; financial statements can reveal adherence to financial reporting standards; and understanding financial statements facilitates communication between the organization's leadership and its members. KIUC provides both written and graph format of financial statement presentations quarterly and annually to its members.

The key numbers on the quarterly operating statement are: Revenues, expenses and net margins totaled \$42.1 million, \$40.8 million and \$1.3 million, respectively, for the three-month period ending March 31, 2024. This positive first-quarter margin of \$1.3 million is attributed to KIUC's request to the Hawai'i Public Utilities Commission for a revenue increase, which was granted in an interim decision and order by the PUC on November 27, 2023, with the PUC approving tariffs and an interim implementation date of January 11, 2024. Rate case information can be found at www.kiuc.coop/ratecase.

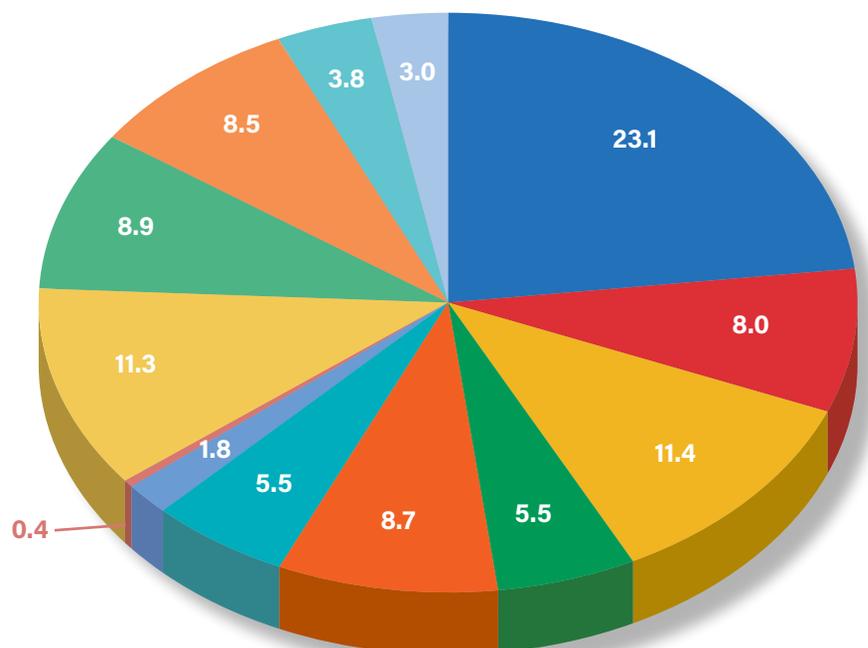
Similar to other electric utilities, the cost of power generation is the largest expense, totaling \$23.8 million or 56.7% of revenues. Commodities, which are fuel and purchased power costs, are the largest component of power generation, totaling \$20.2 million or 48% of revenues. Fossil fuel is the largest single component of commodities, totaling \$9.7 million or 23.1% of revenues. However, our renewable sources combined—hydro, biomass and solar—are a larger share at 24.9% of revenue.

The cost of operating and maintaining the electric lines totaled \$2.3 million or 5.5% of total revenues. The cost of servicing our members totaled \$0.8 million or 1.8% of revenues. The cost of keeping our members informed totaled \$0.2 million or 0.4% of revenues. Administrative and general costs, which include legislative and regulatory expenses, engineering, executive, human resources, safety and facilities, information services, financial and corporate services, and board of director expenses, totaled \$5.3 million or 12.7% of revenues.

Being capital intensive, depreciation and amortization of the utility plant costs \$3.7 million or 8.9% of revenues. Although not subject to federal income taxes, state and local taxes amounted to \$3.6 million or 8.5% of revenues. Interest on long-term debt, at a favorable sub-5% interest rate, totals \$1.6 million or 3.8% of revenues. Nonoperating net margins (e.g., interest income) added \$.6 million to overall net margins. 🌍

% of Total Revenue

- 23.1 Fossil Fuel
- 8.0 Hydro
- 11.4 Solar
- 5.5 Biomass
- 8.7 Production Operation & Maintenance
- 5.5 Transmission & Distribution Operation & Maintenance
- 1.8 Member Services
- 0.4 Communications
- 11.3 Administrative & General Net of Non-Operating Margins
- 8.9 Depreciation & Amortization
- 8.5 Taxes
- 3.8 Interest
- 3.0 Net Margins



Kaua'i Island Utility Cooperative (KIUC)

CURRENTS

Summer 2024
Volume 21, Number 2

David Bissell
President and CEO

KIUC Board of Directors

Chairman: Allan A. Smith
Vice Chairman: Jan TenBruggencate
Treasurer: Peter Yukimura
1st Assistant Treasurer: Jim Mayfield
Secretary: Cal Murashige
1st Assistant Secretary: Phil Tacbian
2nd Assistant Secretary: Dee Crowell
NRECA National Director: David Iha

Executive

Chairman: Jan TenBruggencate
Members: Cal Murashige, Allan A. Smith, Peter Yukimura

Finance & Audit

Chairman: Peter Yukimura
Members: Stacie Dellamano, Jim Mayfield, Cal Murashige, Allan A. Smith

Government Relations/Legislative Affairs

Chairman: Phil Tacbian
Members: Beth Amaro, David Bissell, David Iha, Jim Mayfield, Peter Yukimura, Mike Yamane

International

Chairman: David Iha
Members: Dee Crowell, Allan A. Smith, Phil Tacbian, Peter Yukimura

Member Relations

Chairman: Dee Crowell
Members: Beth Amaro, Cal Murashige, Allan A. Smith, Phil Tacbian

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Chairman: Mike Yamane
Members: David Bissell, Dee Crowell, Laurel Loo, Cal Murashige, Phil Tacbian, Jan TenBruggencate

Strategic Planning

Chairman: Jim Mayfield
Members: David Bissell, Dee Crowell, David Iha, Mike Yamane, Brad Rockwell, Allan A. Smith

Loan Review

Chairman: Phil Tacbian
Members: Peter Yukimura



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currents@kiuc.coop

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SAVE THE DATE

KIUC Annual Membership Meeting

Wednesday, July 31
5:30 p.m.

Kaua'i Philippine Cultural Center
4475F Nuhou Street, Līhu'e, HI