

A Boat Of One's Own: Small Business Dreams





INSIDE

KIUC and New Energy Technologies Clean Energy Wayfinders

# 2025 REBATES

**HOME APPLIANCES** 

**AIR CONDITIONERS** 









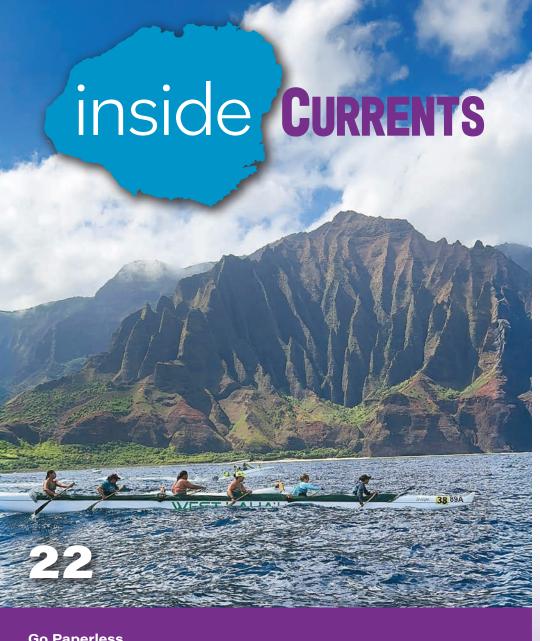
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#### **Go Paperless**

Currents is mailed quarterly to members of Kaua'i Island Utility Cooperative. All issues are available online at kiuc.coop/currents. Want to go paperless? Send a note to info@kiuc.coop with your name and account number to be taken off the mailing list. Mahalo for reading Currents.

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#### **Editor**

Beth Amaro

#### **Contributors**

Beth Amaro, Allison Young, Shelley Paik, Erin Tsuda, Allan Smith, Jan TenBruggencate, Peter Yukimura, Shannon Appelcline, Faith Campbell Jackie Kanna, Joey Leibrecht, Jennifer Paton.

#### On The Cover

Bethany and Koa Fuller with their children, Koali, left, and Maluhia, share the magic of Komohana Charters with KIUC's Scott Sato.



# Chairman's Message

Aloha,

KIUC is the only electric cooperative in Hawai'i. One of the intentions behind its formation in 2002 was energy independence for Kaua'i so residents could have a stake in the type of energy generated and reduce rates, which were among the most expensive in the country.

Since then, KIUC has flourished to become a leader in renewable energy, keeping rates as low as possible and service reliable. This is no easy feat on an island grid. Our members are our 'ohana and our neighbors. We take seriously our responsibility to demonstrate our accountability to you.

One way we share our information is through these quarterly magazines. Currents is a Kaua'i-made, in-house publication that recently won a Gold Spotlight award from the National Rural Electric Cooperative Association for best external publication for a midsize cooperative. It is a labor of love to highlight our work and the good things happening in our community in every issue.

Another way we show accountability to our members is at our annual meeting. It has become tradition to share a bag of rice and a meal with attendees as a token of our appreciation. I would like to extend an invitation for our upcoming annual meeting so we can celebrate KIUC's achievements from the past year and talk story together.

Please save the date and join the KIUC 'ohana Wednesday, July 30, at the Kaua'i Philippine Cultural Center for our 23rd annual meeting.

Mahalo nui loa,

Allan A. Smith



# **Board Actions**

Actions taken by the KIUC Board of Directors from March 2025 to April 2025.

BAR = Budget Adjustment Request

## March 27, 2025

 $Approved, confirmation of Reina \, Kurisu \, for \, the \, community \, member \, board \, position \, to \, the \, Charitable \, Foundation \, Board.$ 

Approved, appointment of officer.

# **March 27, 2025, Annual Board Meeting**

Approved, election of officers.

Approved, committee appointments.

## **April 24, 2025**

Approved, 2024 patronage capital reimbursement—Resolution 03-25.

Approved, RUS data collection system (Form 674 and 675)—Resolution 04-25.

Approved, Policy 12—code of ethics.

# 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.

SUMMER 2025 | 5





# Don't Be Scammed

# By Peter Yukimura

The energy industry is undergoing rapid change, and technology paves the way for innovation in the ways energy is used, produced, stored and shared. Consumers are interested in more green energy alternatives, while smart homes and apps make managing energy use and paying your electric bill more convenient than ever.

While the changing energy market has created more options for consumers, it has also resulted in more utility scams and misleading information surrounding solar installations in particular. That's because of two factors.

First, utility scams are common because of the vast number of utilities that exist. Consumers are understandably anxious about the threat of disruption to their electric, heating or water service.

Second, new products and services in the energy industry provide an opening for scammers and pop-up companies to provide misleading information or shoddy products and services.

A common phone scam typically begins with a phone number that appears to be from KIUC. The scammer claims you have a past due account and threatens to disconnect service or take legal action. The scammer typically demands you use a prepaid debit card or money order, often within a short, urgent time frame to pay the past due amount.

You can combat this scam by being aware of the status of your account and knowing KIUC will never call you about a past due balance. Never give your banking or personal information over the phone to someone you did not call. If you have questions or concerns about your energy bill, call us directly at 808.246.4300. Do not use the phone number given by the scammer.

Another scam we see from time to time is connected to rooftop solar. Homeowners with rooftop solar may receive a sales call offering an accessory, upgrade or extended warranty to their solar array. The calls could be from scammers claiming to represent a solar company, promising to replace faulty or broken parts or improve efficiency.

Again, if you are not expecting the call, don't be fooled. These calls offering misleading information are likely a scam. Call your solar contractor if you think there may be a problem. Other than occasional cleaning, rooftop solar—if installed correctly—is virtually maintenance-free.

In this ever-changing environment, it's important to remember KIUC is your trusted energy adviser. We are a not-for-profit, member-owned cooperative that works to efficiently deliver affordable, reliable and safe energy to our community.

We're just one call or click away, so reach out with any questions about your electric service or bills. We're here to help.

Know
The
Signs

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AGAINST SCAMS



Verify

Scammers may pose as your utility—always confirm details against your latest bill.



Utilities never demand instant payment or accept bitcoin, prepaid cards, or payment apps.

# KIUC and New Energy Technologies

# By Jan TenBruggencate

What kinds of new renewable energy systems could we use to power Kaua'i's grid?

Our island produces electricity from solar photovoltaics, hydroelectric, closed-loop biomass (wood chips) and biodiesel, and we have an array of legacy diesel and naphtha generators. But what about other energy technologies?

Three that seem to come up frequently when members approach me are wind, nuclear and wave power. Let's talk a little about these technologies.

**Wind:** KIUC has looked extensively into wind power but has to carefully consider our Habitat Conservation Plan.

On Kaua'i we have the state's densest populations of endangered mountain-nesting seabirds. Any time something sticks up in the atmosphere, it has the potential to interact with these birds in flight.

KIUC has dedicated significant resources to mitigate the effects of seabirds hitting our power lines, and the data shows signs of progress. Therefore, we don't wish to take away from that by adding big wind turbines to the seabird threat.

**Nuclear:** There is a prohibition against nuclear power in the Hawai'i State Constitution, which says, "No nuclear fission power plant shall be constructed or radioactive material disposed of in the State without the prior approval by a two-thirds vote in each house of the legislature."

Even if that were not the case, the experience on the mainland is that getting a permit to build a nuclear plant can take more than a decade and cost many millions of dollars. KIUC is too small a company to absorb those costs.

Our peak electricity demand of about 80 megawatts is too small for most available nuclear designs. Smaller modular nuclear plants are under design, but they still face regulatory hurdles.

Wave or current energy: There are many designs for wave power systems, including bobbing buoys (PowerBuoy,) snakelike floating arrays (Pelamis Wave Power), oscillating surge converters (Resolute Marine Energy), and rotating mass devices (Wello Penguin).

Several wave systems have been tried in the Hawaiian Islands, and more are coming.

Ocean Energy USA has a system installed at the U.S. Navy's Wave Energy Test Site off Mōkapu on Oʻahu. An oscillating wave column device is slated for the Kilo Nalu Nearshore Observatory on the south shore of Oʻahu.

The Northwest Energy Innovations Azura wave power device delivered power to the Oʻahu grid for 18 months from a site off Marine Corps Air Base Hawaiʻi in 2015 and 2016. It was launched again for a short time in 2018 with modifications. The BOLT Lifesaver circular floating wave energy generator operated off the Marine base in 2018.

And there have been others.

This industry is still in the experimental phase, and no single design has risen to the point utilities are actively buying and installing it. Issues include high cost, challenges of the dynamic marine environment and, of course, biofouling—the tendency of limu, coral and other marine organisms to grow on anything that's in the water.

Will KIUC adopt one of these or another energy technology? Probably. But so far, the right one hasn't yet revealed itself.

In 2023, KIUC introduced biodiesel, produced by Pacific Biodiesel, to its renewable portfolio.



# A Boat of One's Own: Small Business Dreams

# By Allison Young

As a member-owned electric cooperative, KIUC leverages funds from the U.S. Department of Agriculture for its Revolving Loan Fund as a commitment to maintaining, strengthening and diversifying the Kaua'i economy. The fund provides opportunities for not-for-profit and for-profit entities on Kaua'i to obtain loans at lower-than-base-rate interest.

In 2024, KIUC chose Komohana Charters as a recipient. Bethany and Koa Fuller, owners of Komohana Charters, live in Kōloa, where their children attend Kōloa Elementary. We talked story with Bethany about their journey.

## Aloha, Bethany! Please share a little bit about your 'ohana.

Koa was born and raised on Kaua'i, and has been on the water for over 30 years. His passion for the ocean comes from his grandfather Rick Fuller, who worked as game warden and flew single engine planes, working along the coast, and became one of the first captains to provide Napali Coast tours.

#### Tell us about your journey for Komohana Charters.

At the time, like many people on Kaua'i, we were working in any way we could to make ends meet for our family. Koa did landscaping, commercial fishing, meat slaughtering, even digging trenches for an electrical union job. I worked in healthcare in Wyoming and also worked as a preschool teacher for a few years.

We hoped to work for ourselves one day, but we had no idea how to make that happen until a friend asked if we wanted to purchase a commercial permit in 2018 out of Kīkīaola small boat harbor. We did everything we could to make it happen. Koa owned our first boat for a number of years, which he used for fishing. He took the captain's course in 2017, and had many people to verify his hours to become a captain. Once we purchased the permit, we converted the fishing boat into a tour boat, adding glass work, new paint and custom seating. This is the boat we used until the KIUC loan.

#### How did Komohana Charters use the KIUC loan?

It was kind of crazy how it all worked out. We knew we needed a second boat for our second permit, but despite our combined experience, we didn't know how the loan process worked. It was scary at first. We went to the Small Business



Learning from their parents, Koali and Maluhia spend time on the boat, helping out, fishing and diving.

Administration for a loan, but the interest rate was extremely high. Our hearts were breaking.

We found out about KIUC through a contact on the Big Island. Then we got in touch with the Small Business Development Center on Kaua'i, and they helped us to get the documents ready for KIUC. At the time, we didn't know much about the business side of things, like how to project cashflow or expand. SBDC was really helpful. They made it accessible for people like us.

The loan went toward the purchase of two boats and trailers, replacement motors, maintenance and startup money for employee costs and marketing. The boats, which we named Koali and Maluhia after our children, are Glacier Bay catamarans with bench seats and can fit six passengers per boat.

# One of KIUC's values is *Laulima*, working together. Who's on your team, and what do you do in the community?

Right now, we have three employees. Koa is a boat captain, I work on the administrative side, we have one other captain and hope to hire a couple more. As a small business, in turn, we support other small businesses. Our bookkeepers are a group of local girls who are amazing. A local guy does all our design work and T-shirts. We also use one locally-owned concierge and a second that is native Hawaiian-owned.

In the community, we are part of the Kīkīaola Boaters
Alliance Nonprofit. Our harbor is very busy between the tour
companies and fishermen, so we work together to make local
use of the harbor a priority. Our outreach includes donations
to local schools, baseball clubs and 'Ohana Day, when all

the boat companies in the alliance donate our boats to take locals out to the coast. We also donate to a number of fishing tournaments, the biggest of which is the keiki Kamali'i Challenge out of Port Allen.

### What type of tours do you offer?

We specialize in small, private tours of the Napali Coast for either a full or half day (morning or afternoon). People primarily book private tours for their friends and family, ages 4 and older, although sometimes we have shared tours. Our goal is to customize our tours, so people can let us know if they want to prioritize sightseeing and snorkeling, caving, watching sea life or fishing (small tackle trolling). Koa is even an ordained minister and can marry people on the boat for elopements.

Komohana Charters offers ocean tour experiences out of Kīkīaola small boat harbor



"The KIUC Revolving Loan Fund is a great opportunity for both nonprofit and businesses located on Kaua'i to obtain loans at lower interest rates."

- Peter Yukimura, KIUC Board of Directors

"It is heartening to see a young, local couple show such tenacity and drive in ensuring the success of their business."

- Teofilo "Phil" Tacbian, KIUC Board of Directors

#### **KIUC'S REVOLVING LOAN FUND**

The KIUC Revolving Loan Fund provides opportunities for not-for-profit and for-profit entities on Kaua'i to obtain loans at lower-than-base-rate interest. The primary goal of this program is to build and maintain jobs, diversify Kaua'i's economy, and upgrade the public infrastructure when conventional financing is insufficient, unavailable or unfeasible. Applications are received year-round and reviewed by committee. For more information, visit kiuc.coop/revolving-loan-fund.

#### Hawai'i Small Business Development Center

The Hawai'i Small Business Development Center is a program of the University of Hawai'i at Hilo that provides professional business advice, research and training to business owners and new entrepreneurs to promote growth, innovation, productivity and management improvement. All fees for advising services are underwritten through funding from the U.S. Small Business Administration and the State of Hawai'i. Visit hisbdc.org to sign up.

# Any reflections on *Ho'omau*, perseverance, and achieving your dreams?

At some points in this process, it was really hard dealing with uncertainty, but we persevered. Between SBDC and KIUC, with the business advice and low interest rate, we were able to get the loan and make it happen. At one point in the process, we had daily phone calls with Scott Sato and Bruce Nuzum with KIUC. I can't say enough how amazing they were to work with.

This is our dream, and we are so grateful. Our kids they love it. If there's an open seat on shared tours, our daughter likes to pass out snacks. She wants to do this when she gets older. This is what we wanted, to support our family and a future doing this. Koa today was saying, "I hope I never take this for granted. This is amazing and insane, to be in the most beautiful place and on the ocean."

To book a tour and learn more about Komohana Charters, visit komohanacharters.com and follow them @komohanacharters on Instagram and Facebook. To learn about the Kīkīaola Boaters Alliance, visit kikiaolaboatersalliance.com.



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# **Clean Energy Wayfinders**

# By Allison Young

Madelyn Hartshorn was working at a fishery in Henrys Lake State Park in Idaho with the Idaho Department of Fish and Game. She was surveying creel, electrofishing, maintaining riparian fences and conducting lab work for fish when her sister, who lives on Kaua'i, told her about the Kupu 'Āina Corps in Hawai'i.

"One of my key interests is the intersection of environmental conservation, renewable energy and energy accessibility," Maddy says. "When the opportunity to work with HSEO came up, I was excited."

The Kupu 'Āina Corps was established during the pandemic by the State of Hawai'i as part of legislation to start a Green Job Corps, encouraging people to stay in Hawai'i and work in environmental and sustainability-related jobs. Positions are available at a variety of conservation, agriculture, technology and clean energy-focused host sites throughout the islands of Hawai'i.

One of the host sites is the Hawaiian State Energy Office (HSEO). As a part of the Department of Business, Economic Development and Tourism, HSEO's mission is to promote energy efficiency, renewable energy and clean

transportation to help achieve a resilient clean energy economy. The Clean Energy Wayfinders program is an outreach and workforce development program for young professionals interested in a career in energy and conservation. As energy ambassadors, Wayfinders engage Hawai'i's schools, community organizations and households in energy planning and decision making.



Madelyn Hartshorn joins the 'Ohana Earth Day event at Anaina Hou, celebrating sustainability and local culture through hands-on activities and kid-focused

This year, HSEO hosts five Wayfinders across O'ahu, Moloka'i and Hawai'i Island. Maddy and her fellow Wayfinders received training from various energy and sustainable organizations. Maddy described this training as "a firehouse of information." Prior to becoming a Wayfinder, Maddy graduated from

Brigham Young University-Idaho, obtaining a bachelor's in biology with an emphasis in environmental biology.

Maddy came to KIUC to learn more about ways to collaborate and share information with our members.

"Before becoming a Wayfinder, I didn't really understand what a cooperative was," Maddy says.

Her visit with KIUC included learning about the cooperative difference, KIUC's strategic goals set by its board of directors, and information about our renewable energy portfolio and rebate programs.

Since coming to Kaua'i, where she lives in Hanapēpē with her sister, Maddy has volunteered in community activities, such as plastic recycling, reef cleaning and beach cleanups. She has attended Ho'olaule'a No Ka Honua, Anaina Hou Earth Day and farmers markets, educating residents of all ages about energy and climate change.

"I hope to help bridge the communication gaps between energy organizations and the community and help bring awareness to the growing energy careers in Hawai'i," she says.

For information about the Kupu 'Āina Corps and the Clean Energy Wayfinders, visit kupuainacorps.com and energy.hawaii.gov/clean-energy-watyfinders.



Two new renewable energy projects are expected to bring Kaua'i close to 80% renewable energy by 2028.

"Our board of directors has set an aggressive goal of reaching 100% renewable by 2033," KIUC President and CEO David Bissell says. "Successful completion of these projects will allow us to progress toward achieving the State of Hawai'i mandate 12 years ahead of schedule."

## **Project Details**

The two solar-plus-battery-storage projects would be developed by AES Hawai'i under power purchase agreements (PPA) submitted to the

Hawai'i Public Utilities Commission for approval. Project details include:

- Mānā Solar + Storage: 35 megawatts (MW) solar with four-hour storage capacity to produce an average of 86,000 megawatt hours (MWh) annually of dispatchable renewable energy over the 25-year PPA. The project is proposed to be on land owned by the Agribusiness Development Corp. on the Mānā Plain and is expected to displace the use of 5.9 million gallons of diesel a year.
- Ka mana o ka lā o Ka'awanui (Ka'awanui Solar + Storage): 43 MW solar with four-hour storage capacity to produce an average of

more than 100,000 MWh annually of dispatchable renewable energy over the 25-year PPA. The project is proposed to be on land managed by Gay & Robinson Inc. in Makaweli and is expected to displace the use of 12.9 million gallons of diesel a year.

In total, the two projects are expected to account for 35% to 40% of KIUC's annual energy production and generate enough electricity to power more than 30,000 homes.

## **Supporting Agriculture**

Because both projects are proposed on lands zoned for agriculture, state law requires they include considerations for compatible agriculture. AES is in active partnership discussions on robust ag activities that would be co-located at these sites, thereby not just helping achieve 100% renewable energy but also activating agricultural uses of these lands.

In Mānā, discussions on uses such as dry land kalo production and honey production are ongoing. AES is working with Gay & Robinson to identify appropriate agricultural activity for the Ka'awanui site.

#### **Financial Benefits**

According to David, the two projects are expected to benefit members' pocketbooks. At \$0.127 per kilowatt-

hour, Mānā Solar + Storage is estimated to save KIUC members \$6.4 million in the first year of operation, with a cumulative total estimated savings of \$370 million over the life of the 25-year PPA. Ka'awanui Solar + Storage, at a proposed price of \$0.1334 per kilowatthour, is estimated to save KIUC members \$7 million in the first year of operation, with a cumulative total estimated savings of \$429 million over the life of the 25-year PPA.

"We've already experienced significant rate stabilization over the past five years due to the high percentage of power generation from renewable projects on fixed-price PPAs," David says. "Our rates have gone from being the highest in the state by a large margin to among the lowest in just 20 years. With these projects we'll be essentially buffered from oil-price volatility, in line with our board's strategic goal of delivering electricity at the lowest possible cost."

David cautions, however, that the potential impact of recent tariff increases on the projects is unknown.

"There is the possibility that pricing could be affected by these events, and adjustments may be necessary," he says.

If approved by the PUC later this year, the projects could be operational as early as 2028.

**12** | KIUC CURRENTS



From left: Waioli Forrest, Michael Ching, Larry Harper and Kailoa Forrest with KIUC's Kyle Cremer celebrating the installation of the Ching Young Village EV Charger.

KIUC was pleased to recently present a \$10,000 check to the Ching Young Village Shopping Center in Hanalei for successfully installing a Level II Multi-Port EV Charger in its parking lot.

Ching Young Village is in the heart of Hanalei and has been a haven for both locals and visitors to Kaua'i since 1982, providing a variety of shops, restaurants, offices and services.

The electric vehicle charger process first started in 2023 when General Manager Larry Harper reached out to KIUC.

"We had been wanting to install an EV charging station here at Ching Young Village Shopping Center," he says. "When we learned of the KIUC rebate program, we requested a site visit."

The KIUC EV team, which consists of Commercial Energy Services Specialist Kyle Cremer and Staff Engineer Jonah Knapp, visited the site in Hanalei. When determining the best location for a new EV charging site, many things need to be considered: the location of existing sources of power, if a new transformer is needed to meet an increased electricity load and where that transformer might be placed. Construction costs and drivers' convenience are also important.

Due to these factors, it is recommended members reach out to the EV team as early as possible in the process.

"They were very thorough in answering any questions that we had and provided us with all of the information needed to move forward with the EV charging station vendor," Larry says.

Ching Young Village Shopping Center is the island's first EV charging station in Hanalei and third commercial member to benefit from the commercial EV charger rebate. Previous recipients are the Pu'u Po'a condo community in Princeville and Nathan Wood General Contractor in Puhi.

The KIUC rebate is for \$10,000 if installation costs exceed \$45,000. The rebate is \$5,000 if installation costs are less than \$45,000. This rebate can be combined with a Hawai'i Energy rebate of \$4,500 (New Level) for additional savings.

There are a growing numbers of EV drivers on island. Adding an EV charger on-site keeps customers happy and provides another source of revenue.

"People are really happy here in Hanalei that they have a place to charge now," Larry says. "It's increasing every month. We're getting more and more revenue from it."

For more information about rebates for a Level II EV Charger installation, contact energyservices@kiuc.coop or call 808.246.4300. To apply for a rebate from Hawai'i Energy, visit hawaiienergy.com.

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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.

# 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, financial, 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

# Congratulations, 2025

# KIUC Cohama



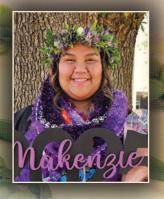
Myranda Chang
Kapa'a High School
Parents Curran and Cindy Chang



Jusiah Perreira-Ipac Waimea High School Grandparents Robert and Val Perreira



**Dylan Rockwell**Kaua'i High School
Parents Brad and Quyen Rockwell



Makenzie Keonaaloha Harlee Cummings Grand Canyon University B.S. in Marketing and Advertising

Parents Dawn and Ben Cummings



Tai Panit
Embry Riddle
Aeronautical University
B.S. in Aeronautical Science
Parents Nelson and Gaynel Panit



Lorin Leah Probasco
University of Portland
B.S. in Nursing
Parents Lorna and Ben Probasco



**Devin Sakai** Kaua'i High School Parents Kymi and Darren Sakai



Mikaylah-Jade Schonberg
Waimea High School
Grandparent Kanani Malama



Taylor Cox
University of California, San Diego
B.S. in Electrical Engineering
Parents John and Maile Cox



**Eva Allyn** Kapa'a High School Youth Tour Delegate



**Kaye Marie Alvarez**Waimea High School
Youth Tour Delegate



Sage Chaney
Hawai'i Technology Academy
Youth Tour Delegate



**Neva Leung** Kaua'i High School Youth Tour Delegate

# Where Are They Now? Darrian Muraoka, Youth Tour 2014

# By Allison Young

For this issue, we talked story with Darrian Muraoka, an alumnus from Youth Tour 2014.

Darrian is from Kekaha and graduated from Kamehameha schools. She received a Bachelor of Science in marine science from California State University – Monterey Bay and a Master of Science in tropical conservation biology and environmental science with a focus on water quality. Darrian is back on Kaua'i as a biologist at Pacific Missile Range Facility.





2014 Hawai'i Kansas Youth Tour delegates Zach Wilson, Malorie Wagner, Darrian and Camryn Williamson at the Lincoln Memorial.

# Aloha, Darrian. What's your favorite memory from the Youth Tour?

On the Youth Tour, our group connected Kansas and Hawai'i delegates. I remember making friends with a lot of the teens from Kansas, and we still keep in touch to this day. Some of them have families now, some of them are traveling or living in different places around the world, some of them work for their co-op now, too. It's really cool to see how deep the Youth Tour experience impacted us.

I loved learning about the legislative process and meeting senators and representatives. It turned out to be really important for my line of work. Because of Youth Tour, in addition to laws and legislators in Hawai'i, I also know who helps protect Hawai'i's interests at the federal level because they're still working in Washington, D.C.

#### Tell us about your path after graduation.

My family is a fishing family. My grandfather knows the westside waters like the back of his hand. I grew up always by the coastline, on a boat, on the water. It inspired me to continue learning how to have protective and productive ecosystems around the ocean. I attended CSU – Monterey Bay and chose marine science as my major. After graduating in 2019, I continued my education at University of Hawai'i at Hilo in the tropical conservation biology and environmental science program, focusing on water quality. I worked at the Coastal Management office on capacity building with coastal communities, studying how they utilize the ocean, their cultural, fishing and gathering practices.

After graduation, I was an intern on EV *Nautilus*, a seafloor mapping research ship. It's owned by Bob Ballard, who discovered the RMS *Titanic* wreckage. I stayed on the boat for a month with three other young Kauaians to map the seafloor.

My first job in Hilo was at Department of Aquatic Resources for the Protected Species Program. I mainly focused on working with honu and 'Tlio holo i ka uaua (green sea turtles and Hawaiian monk seals). I ran the Barbless Circlehook Project, and we worked with boat recreaters and coastal fisherman on how to fish around these species to prevent them getting caught unintentionally. I was able to work at fishing tournaments across the island chain. A lot of those were on Kaua'i with fishermen, and so I was inspired to go home. When a natural resources biologist position at Pacific Missile Range Facility opened, I applied.

Every day my work is different. In general, I work with 'ua'u kani, nēnē, mōlī (the wedgetailed shearwater, Hawaiian goose, Laysan albatross), honu and 'īlio holo i ka uaua to monitor the protected species, ensuring their survival on the base. This includes swapping fertile mōlī eggs with infertile eggs on the north shore and dark sky searches with Kani Wildlife Control.

This August, I'm going to be helping the Papahānaumokuākea Marine Debris Project, removing debris from the different islands and the monument. It's inspiring. There are many artifacts from Polynesian and American history out there.

## What do you like to do in your free time?

I started paddling in the sixth grade with the Kōloa Canoe Club. At Kamehameha, my sports were paddling, kayaking and sailing—anything on the water. Nowadays, I paddle with the West Kaua'i Canoe Club, and we just started a kūpuna program. I am teaching kūpuna 56 years and older how to paddle. We are recruiting new and first-time paddlers.

I also volunteer with Hui Mālama Polihale to take care of the iwi kūpuna, heiau and restoration site.

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

These are all great values, all resonate with me. But definitely 'ohana and kuleana. Because of the 'ohana I have, which include my family members, friends, communities and organizations I am a part of, they have allowed me to better understand and accept my kuleana of the work being done in Hawai'i to move our communities forward and with care, and to the bigger picture of protecting our native and endangered species and the beautiful ecosystems of Hawai'i.

Darrian doing outreach with kids at the Kekaha Elementary School STEAM Night. Photo by LPMRF – Public Affairs



# KIUGinthe Community



Visitor Industry Charity Walk aid station

Big Brothers, Big Sisters Bowl for Kids' Sake

# Member Mahalos



The kāne and wāhine of Halau Ka Lei Mokihana o Leinā ala would like to extend our sincere gratitude to KUIC. We are grateful for your support in this year's journey as it helps many of us achieve our dreams The kāne and wāhine of Halau Ka Lei Mokihana o Leinā ala would like to extend our sincere gratitude to KIUC. We are grateful for your support in this year's journey as it helps many of us achieve our dreams of representing Kaua'i on the prestigious Merrie Monarch Stage.

Me Ke Aloha, Nā Kāne and Wāhine of Hālau Ka Lei Mokihana o Leināʿala



# Social Media **Shout Outs**

kauaicoop Last weekend our partners
@energyhawaiigov attended the Ho'olaule'a
No Ka Honua Celebration for the Earth, No Ra Honua Celebration for the Earth, celebrating Hawai'i native and canoe plants. Mahalo to all the organizations which came to educate families about the island's food systems and our long-term sustainability!

kauaiedb Mahalo for your sponsorship and support - this event was a great success and truly well-







Island School Fourth Graders

#### Kaua'i United Way Annual Meeting



Alaka'i 'Ohana Kaua'i Golf Tournament

PMRF Earth Day Celebration

'Ele'ele Elementary STEM Night

# Summer Cuisine



# Taco Rice

### **Ingredients**

- 1 pound ground beef
- 1 packet taco seasoning
- 1 can black beans, drained
- 1 can sliced olives
- 1 cup frozen corn
- 1 jar salsa
- 1 block pepperjack cheese, shredded
- 2 cups rice, washed
- 3 cups water

#### **Directions**

In a large skillet, brown ground beef. Add taco seasoning packet, black beans, corn and olives. Sauté for 3 minutes, then add the salsa, rice and water. Bring to a boil. Cover, then lower the heat and simmer for about 15 minutes. Stir occasionally. If there is liquid, keep simmering until the liquid has evaporated. Add shredded cheese. Mix before serving.



# Spaghetti Carbonara

## **Ingredients**

- 1 box spaghetti noodles
- 1 package bacon, cut into half-inch pieces
- 3 eggs
- 1 tablespoon olive oil
- 1 cup shredded Parmesan
- cheese, divided
- 1 cup shredded Romano cheese, divided
- Fresh-ground black pepper
- Sea salt

#### **Directions**

Cook bacon until browned and crispy. Drain on paper towels, then set aside. Boil the spaghetti in salted water and olive oil, according to package directions. Reserve 1 cup of spaghetti water, and drain the rest. Return pasta to the pot but remove from heat.

In a bowl, whisk the eggs, half of the cheese and 1 tablespoon black pepper until smooth. Pour the mixture into the pot. Stir until creamy. Stir in the bacon, and top with the remaining cheese and additional black pepper. Add salt, to taste.



#### **Directions**

**Directions** 

Combine all ingredients in a bowl. Serve with warm bread.



# **Ingredients**

1 jar sundried tomatoes, minced 2 cloves garlic, minced

1 container grated Parmesan cheese

1 log mozzarella, diced into cubes

1 package salami, diced

½ small onion, diced

1 cup grape tomatoes, cut in quarters

½ cup extra-virgin olive oil

1 teaspoon dried basil

1 teaspoon dried oregano

1 teaspoon sea salt



# **Black Bean Burgers**

### Ingredients

1 medium onion, minced 2 cloves garlic, minced 3 cups cooked black beans

1 cup cooked brown rice ½ cup shredded beets

1/4 cup sunflower seeds 1 tablespoon Worcestershire sauce

2 teaspoon salt

½ teaspoon black pepper

1/2 teaspoon dried thyme

1/4 teaspoon coriander

Burger buns

Condiments of choice

Guest recipe by Sharon De La Peña and Hallie Cristobal of Hoʻōla Lāhui Hawai'i and Kaua'i County Cooperative Extension

Heat 1 tablespoon of broth or water in a pan. Add onions and sauté for a few minutes. Stir in minced garlic, and remove from heat.

Mash beans in a medium-sized bowl. Add in the onions and garlic. Stir in remaining ingredients, except for buns and condiments.

Shape bean mixture into patties. Spray pan with nonstick spray. Cook patties on each side for 5-10 minutes or until browned.

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# E-Bikes, Keeping It Real

# by Shannon Appelcline, Contributing Writer for Kaua'i Path

On Feb. 1, two children riding a single e-bike on Kekaha Road were injured in a collision with a pickup truck. Unfortunately, this is a growing trend. E-bikes were the most common cause of injury for children treated by trauma services at the Kapi'olani Medical Center in Q2 2024. Though they're a great new way to get around, e-bikes must be ridden with safety in mind.

Kaua'i Path, a nonprofit focused on making walking and bicycling commonplace in our neighborhoods through the stewardship of multiuse paths, is leading the charge for safety.

"Kaua'i Path is committed to increasing public awareness of the benefits of e-bikes, as well as safety concerns they present," Kaua'i Path's board president Dr. Randy Blake says. "We'll be participating in community events over the coming months to present that information."

## **Keeping It Classy**

E-bikes are electric bikes. Their battery-powered motors help a bicycle move. However, different types of e-bikes have different advantages and different dangers—as well as different legal requirements. Knowing the major features of e-bikes is the first step in riding them safely.

HB-958, which was introduced into the Hawai'i Legislature in January, defines three classes of e-bikes, broadly following national standards:

- Class 1: pedal-assist with motor limited to 20 mph.
- Class 2: pedal-assist bike with throttle and motor limited to 20 mph.
- Class 3: pedal-assist bike with throttle and motor limited to 28 mph. This class is not currently defined as an e-bike in Hawai'i.

Pedal-assist means the motor only kicks in when the rider is pedaling. An e-bike is not a moped or motorcycle, it just assists the rider. A throttle gives the bike a big, extra boost.

No e-bikes can be used on sidewalks in Hawai'i, although HB-958 will change this to allow riding at no more than 10 mph with class 1 or class 2 e-bikes, except in business districts Otherwise, individual counties decide which classes of bikes to allow. The Ke Ala Hele Makālae path restricts e-bike use to Class 1. Class 3 e-bikes are forbidden from most bike paths.



Kaua'i Path board president Randy Blake met with Ro Kaing at Kalena Park in Līhu'e to discuss the features of his folding Magnum e-bike. Photo by Tommy Noyes, Kaua'i Path, Inc.

#### **Keeping It Safe**

E-bikes are more powerful than traditional bikes, as 20 mph is faster than most cyclists ride. That means that existing dangers of biking are multiplied.

Unfortunately, the dangers of e-biking are multiplied again for children, due to their limited experience and increased risk-taking that often puts safety second. For example, two recent accidents involved "packing" two children on a bike.

The age restrictions on e-bikes need to be taken seriously. HB-958 offers some changes. There are no restrictions on class 1 e-bikes; riders must be at least 14 for class 2 e-bikes, unless they are under direct supervision; and riders must be at least 16 or for class 3 e-bikes.

The best way to be safe on an e-bike is the same as on a traditional bicycle. Wear a helmet. Don't pack extra people on a bike built for one. Don't bike faster than the environment allows, especially on multiuse paths. Use lights and wear bright clothing, even in daytime.

#### **Keeping It Cool**

E-bikes can be useful, particularly for older or disabled adults. Riders can go farther, more frequently. They can ride up Kaua'i hills and into the face of the trade winds.

These bikes also enable the dream of a greener
Garden Island. Jim Benkert saw this when he founded
Eco E-Bikes Kaua'i, which sells and rents e-bikes. He says
that by building the interest in e-bikes now, we enable future
infrastructure.

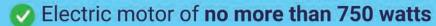
But like everything, e-bikes have their dangers. Children are at real risk on these powerful vehicles, which always need to be ridden with care and attention.



# WHAT IS AN E-BIKE?

To be considered an e-bike in the State of Hawai'i, a bicycle (2- or 3-wheeled) must meet these criteria:

Has fully operable pedals



With a maximum speed of 20 MPH

**HEAD'S UP!** A lot of electric 2-wheeled devices are easily confused as e-bikes. **Don't be deceived!** If it's going 30, 45, or 60 mph (or anything over 20 mph) that is NOT an e-bike. Don't see any pedals on the bike? Then it's NOT an e-bike.

# "DRIVE" YOUR BIKE.

Like bicycles, e-bikes are legally considered vehicles and have the right to be operated on Hawai'i's roadways. Riders are responsible for obeying all traffic rules, including but not limited to riding with the flow of traffic, stopping at red lights & stop signs, using front & rear lights at night, and yielding to pedestrians.











# LEGAL STUFF:

15 years old & up

In Hawai'i, the legal minimum age to be on an e-bike is 15 years old.

Anyone under the age of 16 must wear a helmet when bicycling on Kaua'i.

# No packing

It's against the law to "pack" or carry additional people on your bike.

More Hawai'i-specific info & resources on e-biking:

» HBL.org/ebikes

# 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 one hundred percent. [L2003, c147, §2]

	Rate Class of Service	Schedule	2024	2023	2022	2021	2020
	Residential	D	\$79,983,441	\$72,799,495	\$75,465,976	\$67,665,717	\$59,717,210
	General Lighting Service	G	\$28,187,583	\$25,300,210	\$26,093,654	\$22,610,142	\$20,151,493
ш	Photovoltaic	J	\$20,293,302	\$18,568,588	\$19,180,115	\$16,724,413	\$14,988,419
3	Large Power	P*	-	\$35,921,903	\$37,522,778	\$32,895,068	\$28,615,487
REVE	Large Power	L*		\$16,103,719	\$15,393,949	\$12,897,520	\$11,635,762
	Large Power	LP	\$59,289,065	-	-	-	-
	Streetlight	SL	\$806,209	\$667,512	\$692,840	\$683,855	\$665,798
	Irrigation		\$246,415	\$274,534	\$718,357	\$177,137	\$183,919
	Total Revenue		\$188,806,015	\$169,635,961	\$175,067,669	\$153,653,852	\$135,958,088

	Rate Class of Service	Schedule	2024	2023	2022	2021	2020
	Residential	D	193,727,622	193,949,903	191,954,669	186,243,561	177,182,391
	General Lighting Service	G	66,378,109	65,513,392	64,503,026	60,188,554	57,698,004
ES	Photovoltaic	J	51,161,940	51,701,064	50,969,236	48,348,244	46,668,526
SAL	Large Power	P*	-	104,713,939	103,581,400	98,582,111	91,894,242
KWHS	Large Power	L*	-	48,904,680	44,142,800	40,153,191	39,586,355
	Large Power	LP	159,437,624	-	-	-	-
	Streetlight	SL	696,159	694,120	733,506	768,345	770,590
	Irrigation		1,065,696	945,600	2,169,426	871,638	1,490,585
	Total KWH Sold		472,467,150	466,422,698	458,054,063	435,155,644	415,290,693

AVERAGE RETAIL PRICE	Rate Class of Service	Schedule	2024	2023	2022	2021	2020
	Residential	D	\$0.413	\$0.375	\$0.393	\$0.363	\$0.337
	General Lighting Service	G	\$0.425	\$0.386	\$0.405	\$0.376	\$0.349
	Photovoltaic	J	\$0.397	\$0.359	\$0.376	\$0.346	\$0.321
	Large Power	P*	-	\$0.343	\$0.362	\$0.334	\$0.311
	Large Power	L*		\$0.329	\$0.349	\$0.321	\$0.294
	Large Power	LP	\$0.372	-	-	-	-
	Streetlight	SL	\$1.158	\$0.962	\$0.945	\$0.890	\$0.864
	Irrigation		\$0.231	\$0.290	\$0.331	\$0.203	\$0.123

Fuel Mix Generation**	2024	2023	2022	2021	2020
Biomass	6,804,000	42,126,000	51,555,105	48,478,815	48,362,580
Fossil Fuel	272,200,919	226,724,888	210,047,359	183,227,477	179,461,177
Hydro	60,102,709	64,618,702	56,421,176	64,807,237	62,391,722
Photovoltaic	156,647,865	155,768,721	166,139,505	161,986,631	147,300,905
Total	495,755,493	489,238,312	484,163,145	458,500,160	437,516,384

Fuel Mix Percentage	2024	2023	2022	2021	2020
Biomass	1%	9%	11%	11%	11%
Fossil Fuel	55%	46%	43%	40%	41%
Hydro	12%	13%	12%	14%	14%
Photovoltaic	32%	32%	34%	35%	34%
Total	100%	100%	100%	100%	100%

\*Schedules P and L were combined into Schedule LP in 2024 following Interim Decision and Order No. 40404 issued by the Hawaii Public Utilities Commission on November 27, 2023 re: Docket No. 2022-0208.

# **KIUC Statement of Operations**

# For the period 01/01/2025 - 03/31/2025

# By Erin Tsuda

KIUC reported favorable results of operations through March 31, 2025, with net margins totaling \$2 million, compared to \$1.3 million for the same period in 2024. Year-to-date electricity use totaled 111 million kilowatt-hours through the first quarter of 2025, a 4.4% increase over the same period in 2024. While KIUC's kWh sales have improved year over year, we are facing increased inflationary pressure on our costs and uncertainty related to recent tariff announcements. KIUC is evaluating the impact of these developments on our operations and will do everything possible to reduce costs when possible and evaluate the timing of planned projects, while continuing to maintain safety and reliability.

The key figures for the three-months ended March 31, 2025, are discussed further below:

Revenues, expenses and net margins totaled \$41.2 million, \$39.6 million and \$2 million, respectively, for the three-month period ended March 31, 2025.

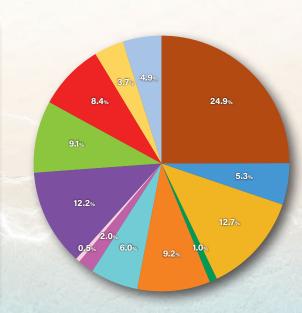
Similar to other utilities, cost of power generation was the largest expense and totaled \$21.8 million or 53% of revenues. Commodities, which are fuel and purchased power costs, were the largest component of power generation, totaling

\$18.1 million or 43.8% of revenues. Fossil fuel, which is the largest component of commodities, totaled \$9.8 million or 23.8% of revenues. Purchased power through combined renewable sources (hydro, biomass and solar) totaled \$8.3 million or 20% of revenue.

The cost of operating and maintaining the electric lines totaled \$2.5 million or 6% of total revenues. The cost of servicing our members totaled \$0.8 million or 2% of revenues. The cost of keeping our members informed totaled \$0.2 million or 0.5% of revenues. Administrative and general costs, which include energy services, legislative and regulatory expenses, engineering, executive, human resources, safety and facilities, information services, financial and corporate services, and board of director expenses, totaled \$5 million or 12.2% of revenues.

Being a capital-intensive business, depreciation and amortization of the utility plant costs totaled \$3.8 million or 9.1% of revenues. As a cooperative, KIUC is not subject to federal income taxes. However, state and local taxes amounted to \$3.5 million or 8.4% of revenues. Interest on long-term debt, at a favorable sub-4% interest rate, totaled \$1.5 million or 3.7% of revenues. Nonoperating net margins (e.g., interest income) added \$0.4 million to overall net margins.





		_				
Statement of Operations (Unconsolidated and Unaudited)						
(in millions)						
	YTD	YTD				
(	03/31/25	03/31/24				
Total revenues	\$41.20	\$42.09				
Fuel	10.28	9.72				
Purchased power	7.78	10.45				
Total commodities	18.05	20.17				
Production	3.80	3.67				
Transmission & Distribution	2.49	2.34				
Member Services	0.83	0.78				
Communications	0.22	0.18				
Administrative, general and other	5.47	5.33				
Total operations & maintenance expense	12.80	12.29				
Depreciation and amortization	3.75	3.73				
Taxes	3.46	3.56				
Interest on long-term debt	1.54	1.61				
Non-operating margins	(0.43)	(0.55)				
Net margin	\$ 2.02	\$ 1.28				

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<sup>\*\*</sup>Gross Generation kWh

# Summer 2025 Volume 22, 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 NRECA National Director: David Iha Directors: Edmund Acoba, Mike Yamane

#### Executive

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

#### **Finance & Audit**

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

#### **Government Relations/Legislative Affairs**

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Members: Beth Amaro, David Bissell, David Iha, Allan Smith, Mike Yamane, Peter Yukimura

#### **International**

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Members: Edmund Acoba, Allan A. Smith,

Phil Tacbian, Peter Yukimura

#### **Member Relations**

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Members: Beth Amaro, Cal Murashige,

Allan A. Smith, Phil Tacbian

#### **Policy**

Chairman: Edmund Acoba

Members: David Bissell, Laurel Loo, Cal Murashige, Allan Smith, Phil Tacbian, Jan TenBruggencate

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Brad Rockwell, Allan A. Smith

#### **Loan Review**

Chairman: Phil Tacbian Members: Peter Yukimura



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