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DEPARTMENT OF TRANSPORTATION SERVICES  
KA 'OIHANA LAWELAWE 'OHUA  
CITY AND COUNTY OF HONOLULU

711 KAPI'OLANI BOULEVARD, SUITE 1600 • HONOLULU, HAWAII 96813  
Phone: (808) 768-8305 • Fax: (808) 768-4730 • Website: honolulu.gov

RICK BLANGIARDI  
MAYOR  
MEIA



J. ROGER MORTON  
DIRECTOR  
PO'O

JON Y. NOUCHI  
DEPUTY DIRECTOR  
HOPE PO'O

March 20, 2024

Mark Glick, Chief Energy Officer  
Hawaii State Energy Office  
235 S. Beretania Street, 5th Floor  
Honolulu, Hawaii 96813

Dear Mr. Glick:

SUBJECT: EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants Program:  
Implementation Grants General Competition, "Hawaii Coalition Climate Pollution  
Reduction Implementation Grant Application"

This letter is to confirm our participation in the Hawaii Climate Pollution Grant Application and our commitment during the duration of the project to provide O'ahu-wide transit signal prioritization (TSP) and transit priority lanes (TPL) along three bus rapid transit (BRT) corridors connecting bus riders to the new Skyline light rail system on O'ahu's South Shore. These improvements will enable a quicker and more reliable public transit system to increase ridership and reduce GHGs from O'ahu's ground transportation. The rapid BRT routes with additional TPL and TSP proposed in O'ahu's Kapolei, Pearl City, and Honolulu areas will contribute to O'ahu's 2045 net negative greenhouse gas emissions goal.

Briefly describe your organization's capabilities and strengths, as well as history.

The City and County of Honolulu Department of Transportation Services (DTS) plays a vital role in facilitating safe, reliable, and efficient transportation options for residents and visitors in Honolulu. The Department functions and responsibilities include managing and operating public transit, planning and maintaining traffic control systems, developing long term transportation plans and strategies, administering parking programs, and maintaining and upgrading transportation infrastructure.

Briefly describe your organization's commitment to the communities and outreach conducted to date.

DTS remains committed to robust community engagement during the planning and implementation of this project to provide Transit Priority Lanes. This engagement will include direct outreach to neighboring businesses and residents, as well as continued surveying of and communication with bus riders during the life of the project. Over the past 5 years, DTS has gained considerable experience with similar engagements ahead of the King Street and Kūhiō Avenue Transit Priority Lanes.

Very truly yours,

A handwritten signature in black ink, appearing to read 'J. Roger Morton', is written over a horizontal line.

J. Roger Morton  
Director

Mitchell D. Roth  
Mayor



Deanna Sako  
Managing Director

Robert Command  
Deputy Managing Director

County of Hawai'i  
Office of the Mayor

25 Aupuni Street, Suite 2603 • Hilo, Hawai'i 96720 • (808) 961-8211 • Fax (808) 961-6553  
KONA: 74-5044 Ane Keohokalole Hwy., Bldg C • Kailua-Kona, Hawai'i 96740  
(808) 323-4444 • Fax (808) 323-4440

March 18, 2024

Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

RE: EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants Program:  
Implementation Grants General Competition, "**Hawai'i Coalition Climate  
Pollution Reduction Implementation Grant Application**"

Dear Mr. Glick:

I am submitting this letter of commitment to indicate our continued support for the Hawai'i Climate Pollution Reduction Grant Application coalition and to provide project management and support for the Paratransit Fleet Electrification Project and the Reusable Foodware Expansion Project.

In accordance with the application, should the state be successful in being awarded funds, the County of Hawai'i will implement the tasks related to the Paratransit Fleet Electrification Project, including management by our Mass Transit Agency of the \$3.74 million in requested funds. In addition, should funding be awarded, the County's Department of Environmental Management will continue to partner with the nonprofit Zero Waste Hawaii Island to execute the \$2.05 million Reusable Foodware Expansion Project.

The County of Hawai'i looks forward to continued engagement and collaboration with the State Energy Office and the Climate Change Mitigation and Adaptation Commission as the Climate Pollution Reduction Grant process moves apace.

Sincerely,

A handwritten signature in blue ink, appearing to read "M D Roth", is written over a horizontal line.

Mitchell D. Roth  
MAYOR



To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

Date: March 12, 2024

RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program:  
Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution  
Reduction Implementation Grant Application"

**Board of Directors**

Greg Gaug, Chair  
Rick Egged  
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Marcy Fleming  
Randolph Moore  
Michael Robinson

Todd Boulanger,  
Executive Director

Ranked as a Top  
Bikeshare Service  
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- 2022
- 2021
- 2020
- 2019
- 2018
- 2017

Mail:  
PO Box 2362  
Honolulu, HI 96804

Office:  
529 Koula St., Bay 2  
Honolulu, HI 96813

GoBiki.org  
@GoBikiHI

Aloha Mark Glick,

This letter is to confirm our Biki hui's participation in the Hawai'i Climate Pollution Grant Application and our commitment during the duration of the project to provide:

This measure proposes to build and upgrade active transportation infrastructure by creating new shared electric micro-mobility mobility hubs with chargers. The resulting shared micro-mobility will allow new service types such as e-bikes in an existing service area, as well as an expansion into new areas, especially lower- income areas, and those with less transit access late at night.

This measure builds on the existing Biki service experience and partnerships developed over 10 years of local community work and seven years of mobility service operations. The funding support would add the capital investment in hardware and station installation to facilitate the community-based outcomes in the Department of Health funded report by HACBED, "Bikeshare Access: Barriers and Opportunities Expanding access to low-income people and communities in Honolulu." Our outreach to the community includes frequent presentations on bike mobility and our system at neighborhood boards in our service area, project announcement in the statewide media and through our social media and newsletter that reach over 10,000 local members monthly and as needed.

Generally, ebikes have been shown to attract a broader range of users and increase overall ridership by a factor of three over class pedal only bikes. Multiple studies have concluded that the introduction of ebikes can result in a significant boost in ridership compared to traditional bicycles, such as our current fleet of pedal only vehicles. Our current bikes are used about 2.9 times per day last year and with a historical peak use of 5.2 rides per day during Hawaii's 'Rental Car Crisis' of 2021.

Here are some common trends associated with the introduction of shared ebikes:

- **Increased Accessibility:** Ebikes make cycling more accessible to a wider demographic, including individuals who may be less physically fit or face challenges with traditional biking.
- **Extended Range:** The electric assist provided by ebikes allows users to cover longer distances and tackle hilly terrain more easily, expanding the reach and appeal of bikeshare systems to new customers.



- **Attracting New Users:** E-bikes often attract users who might not have considered using traditional bikes, including older individuals or those who may be less confident in their cycling abilities.
- **Reduced Barriers:** The electric assistance helps overcome barriers related to physical fitness, allowing more people to participate in bikeshare programs.
- **Complementing Public Transit:** E-bikes can be seen as a convenient last-mile transportation option, complementing public transit systems and increasing the overall connectivity of a city's transportation network.
- **Shared e-Bikes Are More Secure:** Many states and cities are now realizing that many low-income communities cannot easily adopt e-bikes through public rebate programs as easily as wealthier residents, as they either do not have a secure public area to store their e-bike or are not allowed to charge their e-bike in their apartment. Public shared e-bikes solves this storage and charging problem for this population group and others.

Project activities will involve the addition of 221 e-bikes and 195 eDocks for charging the shared bicycles. These new e-stations will also allow the continued use of our “classic” pedal only bikes thus adding network resiliency and flexibility of vehicle choice by customers. The new stations will be placed in targeted areas based on customer demand, access to power and improved access by low to moderate income areas (Kalihi-Palama). The grant will also allow us to decarbonize our operations fleet with two cargo e-vans and an e-truck; and our current ICE vehicles are our largest source of GHG produced by our on-going operations. These shared micromobility grid connected stations will also allow our partners to add up to two (2) EV chargers - at some future date - to create mobility hubs with a broader appeal to the general public of motorists. All of our current stations are hosted by local agencies and private property owners at no cost to us as a shared public amenity, this in-kind resource saves the system at least a half of million dollars per year.

Our P3 (public private partnership) has raised over twelve million dollars to date and collected another over fourteen million dollars in system gross revenue for seven years. The operations revenue stream will go toward maintaining and operating the new equipment once acquired and placed in service. The lifespan of these capital goods is longer than the grant period.

All in all, our collective hui of partners (BSH, Secure Bike Share Hawaii, C&C, and Hawaii Bicycling League) have over 50 years of local experience with bikes as a mobility transport tool.

Mahalo nui,

A handwritten signature in black ink, appearing to read "Boulanger".

Todd Boulanger, MURP  
Executive Director

Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

March 12, 2024

**RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program: Implementation Grants  
General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant  
Application**

Dear Mr. Glick,

The Planning Department confirms its commitment to the State of Hawai'i Climate Pollution Reduction Grant Application. We are committed to assisting the Department of the Public Works and the Office of Economic Development in implementing the County's CPRG projects.

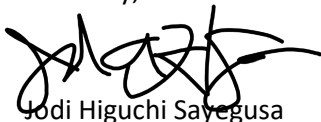
Our Long-Range Planning Division manages Kaua'i County's planning initiatives, including the development of the General Plan, community plans, and related projects. We strive to develop integrated land use and transportation plans that promote alternative transportation modes and are aligned with the County's resiliency and sustainability goals.

Over the past three years we have participated in the County's Resiliency Team which spearheads the Kaua'i Climate Adaptation and Action Plan (KCAAP). This plan, along with the Kaua'i General Plan, champions a shift towards a multimodal transportation system. The Haleko Road and Kawaihau Road complete streets projects are critical components of this system and promise to be transformative for our communities. Implementation of these projects will promote walking and bicycling, boost bus ridership, and offer a much-needed alternative to single-occupant vehicle use. Furthermore, the General Plan and KCAAP articulate ambitions for achieving 100% renewable energy by 2045, fostering energy efficiency, and a decarbonization plan.

To support the efforts of County agencies spearheading these projects, we will coordinate planning activities with project implementation. Additionally, we will contribute to public outreach activities and track implementation and GHG reduction impact through the Resiliency Team.

In conclusion, the Planning Department wholeheartedly supports the State of Hawai'i Climate Pollution Reduction Grant Application. If you require any further information or assistance, please do not hesitate to contact me.

Sincerely,



Jodi Higuchi Sayegusa

March 20, 2024

Mark B. Glick, Chief Energy Officer  
Hawai'i State Energy Office  
235 S. Beretania Street, 5th Floor  
Honolulu, Hawaii 96813

Subject: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"

Dear Mr. Glick:

This letter is to confirm our participation in the Hawai'i Climate Pollution Grant Application and our commitment during the duration of the project to provide project management and contract management for the County of Kaua'i Complete Streets Project. The total project costs are estimated to be between \$18 to \$21 million, with the greenhouse gas reduction components estimated at \$6 million. The \$5 million grant request will support the development of these components, and we will fund the remaining \$1 million with already secured federal funds from the Statewide Transportation Improvement Program (STIP). Design will take place from March 2024 to May 2025, with anticipated construction from March 2026 to March 2028. On-road transportation is one of the largest contributors to greenhouse gas (GHG) emissions in Hawai'i, accounting for 38% of the State's total emissions and 27% of emissions specifically on the island of Kaua'i.

While there have been commitments and efforts made to transform the transportation system toward the use of clean energy, decarbonizing the transportation sector will also require lowering energy use, such as improving public transit and making areas more walkable and bikeable.

In recognition of the need to lower energy use in the transportation sector, the County of Kaua'i has set 2035 policy targets to move towards an island-wide multimodal land transportation network. This includes increasing transit trips to 3.6%, walking trips to 11.5% and bicycle trips to 7.6% by 2035 using 2010 data as a baseline (County of Kaua'i, 2018, p. 128). According to Kaua'i's Multimodal Land Transportation Plan (2013), infrastructure improvements are needed to alleviate the primary deterrents to walking, biking, and transit ridership, including the lack of safety and connectivity of the pedestrian and bicycle infrastructure, as well as better access to and availability of bus stops.

The County adopted a "Complete Streets" policy in 2010 and participates in the State's Safe Routes to School (SRTS) program. The Complete Streets policy requires the County to accommodate all users when designing and constructing roadways. Users include drivers, pedestrians, cyclists, and transit riders of all ages and all abilities. The Safe Routes to School Program encourages safe walking and biking to school through Complete Streets improvements such as sidewalks, bike facilities, crosswalks, intersections, and traffic calming along school routes. Many students live within walking distance to their school, but parents cite unsafe conditions as a deterrent to allowing their children to walk to school.

The Department of Public Works Engineering Division, which will manage this project, provides general engineering and surveying services for the Department. The Division is composed of two sections; Regulatory & Construction and Project Management. The Regulatory & Construction section is primarily tasked with the responsibility of administering the Grading, Grubbing and Stock piling Ordinance, the Flood Plain Ordinance, the Speed Hump Ordinance, and the Drive-way Approach Ordinance. In addition, it also manages the Building Address and Numbering System Program. The Project Management section works on delivering projects for the County's Capital Improvement Program (CIP), Safe Routes to School (SRTS) Program, and Hawai'i's Statewide Transportation Improvement Program (STIP) and Bridge Management Program.

The Complete Street projects outlined below will implement infrastructure improvements that are expected to significantly reduce single-occupancy vehicle trips and encourage walking, biking, and transit ridership. This includes the following: pedestrian and bicycle infrastructure improvements, traffic calming measures, and providing additional bus stops to increase safety.

#### **Complete Streets- Halekō Road**

This project encompasses the full length of Halekō Road (0.6 miles), and includes resurfacing and reconstructing the pavement as needed, widening the roadway to construct on-road bike lanes, constructing a sidewalk on at least one side of the road where no sidewalk exists, adding crosswalks to serve the sidewalk, intersection and turn lane improvements, including a roundabout at the intersection of Haleko Road and Pua Loke Street, and a possible roundabout at the intersection of Rice Street and Haleko Road.

The Halekō Road project will have a transformative impact, including increasing walking and bicycling in Lihue, providing a convenient, efficient, safe, and appealing alternative to vehicle use with the safe connectivity from Rice St. to Nuhou/Nawiliwili Road. Sidewalk additions will increase multi-modal connectivity in the area as well as provide connection to the Pua Loke affordable housing residential site, which includes Kealaula on Pua Loke, the County's long-term rental housing for families transitioning out of homelessness, and Hā'upu View, available to households earning 30% to 100% of the Area Median Income.

#### **Complete Streets- Kawaihau Road**

The project limits are Kawaihau Road from Hau'a'ala Road to Ka'apuni Road (2.1 miles), and includes pavement resurfacing and reconstruction as needed, widened and/or new sidewalks, shoulder widening, intersection improvements including left turn lanes and crosswalks, and addition of bus stops.

The Kawaihau Road project will have a transformative impact by promoting walking and bicycling in Kapaa Homesteads, increasing bus ridership, and providing a convenient, efficient, and appealing alternative to vehicle use. The project ensures a safe pedestrian and bicycle connectivity from Kapaa Homesteads to the Elementary and High Schools and to the Ke Ala Hele Makalae (East Kauai's coastal multi-use path).

Public Works is committed to continuous community engagement through our Complete Streets projects, including conducting Charrettes and Public Meetings during the Design process. It should also be noted that the County of Kaua'i is developing a Climate Adaptation and Action Plan, which engaged

Mark B. Glick, Chief Energy Officer

March 20, 2024

Page 3 of 3

the community to hear their opinions about potential greenhouse gas reduction measures. Engagement efforts thus far indicate high levels of community support for Complete Street projects.

We appreciate your review of our application.

Sincerely,



Digitally signed by Michael

Moule

Date: 2024.03.20 13:48:30 -10'00'

Michael Moule, P.E.

Chief, Engineering Division

# TRANSPORTATION AGENCY

CELIA MAHIKOA, EXECUTIVE

LEONARD PETERS, ASSISTANT EXECUTIVE



DEREK S.K. KAWAKAMI, MAYOR  
REIKO MATSUYAMA, MANAGING DIRECTOR

To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

Date: March 8, 2024

**RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"**

This letter is to confirm our participation in the Hawai'i Climate Pollution Grant Application. Our commitment during the duration of the project is to provide coordination and guidance to the County of Kaua'i Department of Public Works Complete Streets Project, Kawaihau Road segment as it relates to needed bus stops/shelter updates. We will work with Public Works on bus stop/shelter locations, design, and bus route schedules. Project design will take place from March 2024 to May 2025 with anticipated construction from March 2026 to March 2028.

The County of Kaua'i Transportation Agency operates The Kaua'i Bus, which typically offers daily Public (Fixed Route) and Paratransit (Door-to-Door) bus services from Hanalei to Kekaha. The Transportation Agency is committed to providing excellent and consistent service, maintaining bus ridership, retaining bus drivers, operation of existing routes, and expanding routes and frequency when possible. The Transportation Agency is also transitioning the bus fleet to Battery Electric Vehicles by integrating four electric buses into the current fleet with the option of procuring five additional electric buses with chargers in the current procurement contract. A complete fleet transition is expected in order to meet the Kaua'i General Plan goal of achieving 100% renewable ground transportation in the County fleet by 2035.

For the Kawaihau Road segment, the project limits are from Hau'a'ala Road to Ka'apuni Road (2.1 miles), and the project includes pavement resurfacing and reconstruction as needed, widened and/or new sidewalks, shoulder widening, intersection improvements including left turn lanes and crosswalks, and addition of bus stops.

The Kawaihau Road project will have a transformative impact by promoting walking and bicycling in Kapaa Homesteads, increasing bus ridership, and providing a convenient, efficient, and appealing alternative to vehicle use. The project ensures safe pedestrian and bicycle connectivity from Kapaa Homesteads to the Elementary and High Schools.

We appreciate your review of the County's application and are committed to working in partnership with Public Works and collaborating where we fit in.

Sincerely,

Celia Mahikoa

Executive on Transportation

JOSH GREEN, M.D.  
GOVERNOR

SYLVIA LUKE  
LT. GOVERNOR



**STATE OF HAWAII**  
**PUBLIC UTILITIES COMMISSION**  
465 S. KING STREET, #103  
HONOLULU, HAWAII 96813

LEODOLOFF R. ASUNCION, JR.  
CHAIR

NAOMI U. KUWAYE  
COMMISSIONER

COLIN A. YOST  
COMMISSIONER

Telephone: (808) 586-2020  
Facsimile: (808) 586-2066

Website: [puc.hawaii.gov](http://puc.hawaii.gov)  
E-mail: [puc@hawaii.gov](mailto:puc@hawaii.gov)

March 28, 2024

Mr. Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office  
Leiopapa A Kamehameha  
State Office Tower  
235 S. Beretania St., #502  
Honolulu, Hawaii 96813

RE: EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants Program:  
Implementation Grants General Competition, **"Hawai'i Coalition Climate  
Pollution Reduction Implementation Grant Application"**

Dear Mr. Glick:

This letter is to confirm the Hawaii Public Utilities Commission's support for the Hawai'i Climate Pollution Reduction Grant (CPRG) Application and our commitment for the duration of the project to provide oversight and implementation of the Affordable Green Housing Retrofit Program, Measure 5 in the grant application. This project will create a comprehensive building retrofit program targeting existing affordable multifamily homes and provide it with funding for its first 5 years of operation. The program will be a one-stop resource with tools, design assistance, and financial incentives to support the rapid uptake of deep energy efficiency retrofit projects. The result of the program will be more efficient, more comfortable, and safer buildings for lower income residents across the State that save energy, reduce greenhouse gas emissions, lower utility bills, and improve the quality of life for multifamily building residents. The program is intended to be implemented by the Commission's third-party Public Benefits Fee Administrator (PBFA). The current PBFA contract expires in 2025, and the PUC will incorporate this CPRG funding into the Request for Proposals (RFP), projected to be issued in the 3<sup>rd</sup> Quarter of 2024, for the new administrator.

It is our understanding that the retrofit program will be executed in three phases, with the first phase, program design, currently underway. The program design is expected to be complete in the summer of 2024 and the programs should be ready to start operating in late 2024. The three phases are:

- Phase 1: Program Design (October 2023 thru June 2024) activities include assessment of conditions in existing multi-unit residential buildings to understand

end-use energy consumption and customer profiles; identification of retrofit measures through a market potential study to determine their cost-effectiveness and energy-savings; creating a building data intake tool for building owners to supply data; developing a building screening tool to identify high-priority properties; coordinating educational and training resources with workforce partners; and developing design guidance to create a one-stop-shop service model for affordable housing including leveraging additional funding and financing support.

- Phase 2: Program Startup (July 2024 thru October 2025) will focus on contracting for program operations, marketing and outreach, training participating contractors, as well as building energy auditing and testing of the program approach with early participants to improve the tools and methods deployed.
- Phase 3: Full Scale Deployment (October 2025 thru October 2029) will include measure-level design support, followed by financing and project management support once the first round of retrofits are under construction. The program will ramp up in scale over the course of Phases 2 and 3 with a unit count of 1500 units in the final year of the program. Phase 3 will also include a detailed analysis of program success and recommendations for Phase 4: long term program integration.

This program is essential to bridge a funding gap in the delivery of energy efficiency in the state. Energy efficiency has been identified as a key strategy in both the Hawaiian Electric Integrated Grid Plan as well as the Hawai'i State Energy Office's recent report outlining the pathways to achieving the state's decarbonization goals. The levels of energy efficiency identified in these plans are at levels higher than the historic levels of energy efficiency funded and delivered by the Commission's PBFA. The additional funds will allow for expanded efforts towards affordable multifamily homes and better progress towards achieving the state's efficiency and climate goals.

Leidos, Inc., operating as "Hawai'i Energy" has been implementing the Commission's energy efficiency programs for the past 15 years, offering energy-reducing and cost-saving programs to thousands of Hawaii's residents and businesses. Over this time, the program offerings have delivered over \$2 billion in customer bill savings and avoided an equivalent of 7.2 million metric tons of CO2 emissions. Hawai'i Energy has expanded their program offerings over time to better serve the state's low income and hard-to-reach customers and provided essential workforce development support to ensure that contractors, architects, engineers, and other professionals have the skills and knowledge to support the delivery of energy efficiency projects. In 2019, Hawai'i Energy further expanded their portfolio to include technologies that support grid flexibility and the transition to renewable energy. Lastly, the Hawai'i Energy team has received numerous awards and accolades; they are a three-time recipient of the

Mr. Mark Glick, Chief Energy Officer  
March 28, 2024  
Page 3

ENERGY STAR® Partner of the Year award and have been named by Hawai'i Business Magazine as one of the best places to work for several years running.

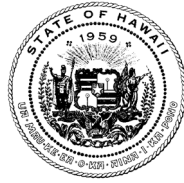
Energy efficiency continues to be a critical resource in service of Hawaii's energy grid, providing low-cost energy saving resources to our state's residents and businesses. The Commission, supported by Hawai'i Energy, is excited about the opportunity to realize significant energy, greenhouse gas, and utility bill reductions to the state's low-income customers through the Affordable Green Housing Retrofit Program.

Sincerely,

A handwritten signature in black ink, appearing to read 'LRAs', is written over a horizontal line.

Leodoloff R. Asuncion, Chair

LRA:ljg



STATE OF HAWAII  
HAWAII STATE PUBLIC LIBRARY SYSTEM  
'OIHANA HALE WAIHONA PUKE AUPUNI O KA MOKU'ĀINA O HAWAI'I  
OFFICE OF THE STATE LIBRARIAN  
44 MERCHANT STREET  
HONOLULU, HAWAII 96813  
(808) 586-3704

March 11, 2024

To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

From: Stacey A. Aldrich, State Librarian  
Hawai'i State Public Library System

A handwritten signature in blue ink, reading "Stacey A. Aldrich".

**RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program:  
Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution  
Reduction Implementation Grant Application"**

This letter is to confirm the participation of the Hawai'i State Public Library System (HSPLS) in the Hawai'i Climate Pollution Grant Application, and our commitment to completing projects that will significantly reduce the the overall life emissions impact on the environment of our Pearl City Public Library (PCPL) and the additional buildings that are being built as a part of a new community learning complex. The goal of our portion of this grant is to 1) improve plumbing with low flow design and fixtures; 2) install LED light fixtures; 3) implement envelope upgrades to our current PCPL building; and 4) improving our refrigerant management based on R-32 refrigerant upcharge.

The Pearl City Public Library opened on Nov. 15, 1969 and is one of the largest public libraries on O'ahu. As a regional library it was built to support not only the local community but also the smaller libraries in the region.

The library is located on Waimano Home Road and is close to the Pearl City Elementary School, public housing, shopping, public park space and other Pearl City neighborhoods. Waimano Home Road and nearby Kamehameha Highway serve as main arteries for the City's public bus system. In 1970, the population of Pearl City was roughly 19,600; in 2021 it is now 45,605. With the increasing trend in population growth, we need to expand and upgrade the library's learning spaces to meet the changing needs of the community.

The current library is 14,000 sq. feet and offers a children's room, Young Adult area, large reading room, computers, WiFi, a meeting room for the public and parking. The library also has roughly .9 acres of adjacent property that was originally purchased by the State to expand parking for library users.

The Pearl City Public Library continues to be a vital point of social infrastructure and an anchor for the region. An expansion project would be an opportunity to reimagine this entire space to better serve the changing and growing needs of the community.

The HSPLS is the only statewide public library system with 51 branches on 6 islands in the U.S. While our history dates back to 1879, our statewide public library system was not formed until after statehood in 1959. We are an independent state agency that reports to the Board of Education, and is funded by State General Funds. To care for our 51 library branches and build new libraries, we work with the Department of Accounting and General Services (DAGS). They bring the facilities expertise and help our library staff to effectively implement all facility projects.

HSPLS has received \$28M to upgrade our current PCPL structure and add a 2,400 square-foot Community Library Learning Center and a 2,700 square-foot Pre-Kindergarten facility. We have worked with a planner and architectural firm and will be going out for construction bid in Spring 2024. During the planning in FY2022, the public was invited to provide input via an online survey, and the architects sought feedback from additional stakeholders like staff. The design was influenced by the feedback.

In order to include several energy conservation measures (ECMs) aimed at reducing the buildings' energy and associated GHG emissions from electricity use, we need an additional \$3,300,000 to implement. This grant will help us to ensure that our project focuses on building a future space that not only supports our community, but the environment.

HSPLS is dedicated to working collaboratively with our communities and statewide colleagues to support the future health of our environment and state, and this grant would be a great way for us to get started

If I may be of further assistance, please do not hesitate to contact me at [stacey.aldrich@librarieshawaii.org](mailto:stacey.aldrich@librarieshawaii.org) or 808-586-3704.

Mahalo!

## OFFICE OF ECONOMIC DEVELOPMENT

NALANI BRUN, DIRECTOR



DEREK S.K. KAWAKAMI, MAYOR  
REIKO MATSUYAMA, MANAGING DIRECTOR

To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

Date: March 12, 2024

**RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"**

This letter confirms the participation of the County of Kaua'i's Office of Economic Development (OED) in the Hawai'i Climate Pollution Reduction Implementation Grant Application. Our commitment during the duration of the project is to provide project management for the County of Kaua'i Energy Efficiency Upgrades Project. The project budget is \$1 million and includes an energy audit and assessment of retrofits and costs that will take place during Year 1, procurement of contractor via competitive solicitation during Year 2, and retrofits, installation, and reporting during Years 3, 4, and 5.

OED works, in partnership with the community, to create economic opportunities towards the development of a healthy, stable, and balanced economy for the County of Kaua'i. OED, as a government entity, interfaces with business and community leaders as well as other government programs to enhance Kaua'i's economic development activities.

The County will complete an energy audit and install improvements to reduce energy usage for three groups of County facilities: 1. The Lihue Civic Center, 2. Fire Stations, 3. Neighborhood Centers. The Civic Center is our third largest electricity user with a high potential for greenhouse gas reduction. Our Fire Departments are low-medium energy users and are an ideal candidate for improvements given their continuous occupancy 24 hours a day. Retrofits for our Neighborhood Centers places us in a great position to foster community resiliency with the potential for siting future resilience hubs in these sites.

OED will implement retrofits and upgrades where feasible. We will work with the Kauai Island Utility Cooperative (KIUC) and utilize their commercial energy audit program, Commercial Retrofit Program and Commercial Equipment Replacement programs by pursuing rebates for installation. The project will explore interior and exterior lighting upgrades to LED, window treatments (film), refrigeration, hot water heaters, air conditioning, and more improvements based on recommendations from the audit.

OED will collaborate closely with our partner agencies by providing regular coordination and engagement to ensure these retrofits are welcomed by facility managers and users. On the broader scale, any reduction in the County's energy costs is a benefit to our taxpayers, and allows community members using these facilities to also enjoy retrofits and upgrades.

We appreciate your review of our application.

Nalani Brun, Director, Office of Economic Development

4444 Rice Street, Suite 200 • Lihue'e, Hawai'i 96766 • (808) 241-4946 (b) • (808) 241-6399 (f)  
An Equal Opportunity Employer

## LETTERHEAD

To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

Date: March 13, 2024

**RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"**

Aloha Mr. Glick,

This letter is to confirm Sustainable Coastlines Hawai'i (SCH) participation in the Hawai'i Climate Pollution Grant Application and our commitment during the duration of the project to expand a de-centralized compost network around the Hawaiian island by providing the following:

- ☐ 7-10 in-vessel composting machines to host sites across multiple Hawaiian Islands
- ☐ Infrastructure to meeting site specific requirements for system efficiency and permitting
- ☐ Permitting expertise and writing where needed
- ☐ Technology for a network model approach that can track input and output data, while reporting on GHG reductions in real time.
- ☐ Staffing to manage the overall network and build site capacity
- ☐ Training & workforce development relevant to the composting model
- ☐ Educational media to story tell around impacts and scaling

SCH has developed an extensive partner network, not only for hosting compost machine operations, but also for food waste and other organic inputs to the process, collaboration on waste reduction projects across the State and across sectors, and information sharing in schools and with communities at a large scale. We have been working hard to provide resources to our partners and communities to expand composting for the last few years. Most of the partners outlined in our grant request operate in rural and underserved communities that include but are not limited to: Waimānalo, O'ahu (GoFarm, Full Circle Farm, Nation of Hawai'i); East Kauai (Compost Kauai); South Molokai (Sustainable Molokai); West Maui (wild fire affected community); Hilo & Ka'u (Recycle Hawai'i); Nanakuli/Waianae, O'ahu; Kahuku O'ahu. These partner sites also represent a diverse use-case network that includes NGO's, for-profits, farms, schools, and research facilities that will demonstrate the nuanced power of a decentralized network. Given the land-use, already in place workforce, and complimentary programs run by SCH through our Resource Recovery actions and Media Production budgets, we anticipate a minimum in-kind match of \$1.5 million over the course of the project timeline.

SCH has a mission to inspire communities to care for coastlines. Over the past decade, in addition to removing over 650,000 lbs of debris from Hawai'i's beaches and streams, while educating 50,000 + students in schools around the islands, we have advanced composting solutions, diverting over 500,000 lbs of organics to our composting machine. The diversion of organics from Hawai'i's waste stream is an essential component of our work to reduce climate-damaging GHG emissions. SCH's interest in compost was born out of a decades-long program called SustainEvents Waste Diversion. We have worked with the World Surf League (WSL), major Movie/TV production companies, Wanderlust, Red Bull, weddings, and fundraisers as an event management team to not only divert waste from linear forms of disposal, but to educate and work hand-in-hand with event planners and the public to realize the possibility of zero-waste. Simultaneously, we have created one of the largest social media and traditional media followings of any nonprofit in the State. This network helps us amplify the work that we do by demonstrating solution opportunities to communities locally and across the globe.

Hawai'i has a void of locally produced, nutrient-rich compost, and a large volume of organic material being wasted and emitting climate-damaging greenhouse gases (GHGs) through incineration and landfilling. The application of healthy compost to soils is one of the best mitigators of GHGs. We will elevate this compost network model as a way to inspire a new relationship with "waste," reconnect communities to their resources, and build more meaningful local agriculture by showing the scalability of this concept.

SCH is honored to be included as a partner in this amazing effort to reduce the impacts of climate change on our communities and planet. Please reach out to us directly if you have any further questions on the scope, impacts, and/or details of our submission.

With Aloha,

A handwritten signature in black ink, appearing to read 'R. Bergstrom', with a stylized flourish at the end.

Rafael Bergstrom

Executive Director, Sustainable Coastlines Hawai'i



RECYCLE  
HAWAII

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P.O. Box 4445 Hilo, Hawaii 96720 808-969-2012. [info@recyclehawaii.org](mailto:info@recyclehawaii.org)

This letter verifies Recycle Hawaii's commitment to participate in the Hawaii State Energy Office's Climate Pollution Reduction initiative as developers and managers of the Cardboard and Composting Waste Diversion Center included in the state's priority climate action plan.

The proposed project will develop the infrastructure needed to significantly reduce GHG emissions associated with the mismanagement of waste organics generated by businesses operating in the Hilo vicinity. We applaud HSEO for recognizing the impact these unsustainable practices have on climate pollution and we look forward to replacing those practices with an enduring climate-smart model that turns discarded organics into valuable agricultural inputs.

The project enjoys broad support within the community from organizations actively engaged in economic development and sustainability initiatives. Our association with Hawaiian-led organizations allows us to develop the project in alignment with traditional cultural values, while our association with a variety of social service providers allows us to engage justice-involved individuals in ways that will improve their economic status and social standing. Development of the project proposal also included outreach to local farmers, through which we were able to verify that regional demand for shredded cardboard and box board as well as composted food waste will match or exceed the supply generated by the project.

We look forward to contributing to the success of HSEO's proposal and to working closely with Sustainable Coastlines Hawaii as a host site for one of their in-vessel composters and as a contributing member of the statewide, community-based composting network they aim to establish with CPRG funds.

*Kristine KUBAT*

Kristine Kubat  
Executive Director  
Recycle Hawaii



PO Box 7118, Kamuela, HI 96743  
www.zerowastehi.org  
808 657-5972

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To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

Date: March 14, 2024

**RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"**

Mark Glick,

This letter is to confirm our participation in the Hawai'i Climate Pollution Grant Application and our commitment during the duration of the project to support the design and implementation of reusable food and beverage packaging systems in East Hawai'i through the coordination of community engagement and outreach with consumers, community groups, local businesses and government agencies during all phases of this 5 year project. The phases include: (1) engagement (pre project), (2) system design (pre project), (3) system set up, (4) pre-launch, (5) launch, (6) post launch/improvements, and (7) expansion. We are currently in the system design phase of this project which will be completed in June 2024. To date we have secured \$183,696 of funding to cover personnel for two part time positions through the end of 2024 and one full time employee who will lead business engagement through April 2026; fundraising is ongoing. We also have three part time volunteer staff members that support this project providing in kind contributions to the project estimated at \$20,000 annually.

### **Our History**

Zero Waste Hawai'i Island (ZWHI) has a strong foundation in advocacy and community engagement and has done outreach and education in the Hilo area since 2019. It was through public engagement that we came to understand the need for system level changes to address our waste problem and led us to pursue reduction of packaging waste as a primary organizational focus. In 2022 we helped an affiliated pilot project, NO POHŌ, launch a system to reuse glass beverage containers at The Locavore Store. In late 2022, we became the lead local partner with Perpetual, a US based non-profit engaged with assisting four cities to design and implement reusable foodware systems that operate at scale. The design process for this project prioritizes stakeholder and community engagement within a participatory design process to ensure the reuse system works for the whole community and avoids negative impacts both within and outside the community.

### **Outreach Conducted to Date**

During the engagement and design phases of this project, the following outreach has been conducted (January 2023 to March 2024):

- One-on-one or small group meetings with 39 stakeholders/potential partners (e.g., business owners, nonprofit executives, education administrators, County Councilmembers)
- Outreach and engagement at 22 events which engaged approximately 726 community members
- Hosted seven participatory design workshops in Hilo; including two workshops held to involve Pacific Islanders and Native Hawaiians in recognition of cultural connections to the reusable foodware project
- Interviews with five cultural anchors (with one additional planned) within the Hawaiian community whose invaluable expertise will relate to Pilina 'Āina (intimate relationship to land) which will help facilitate acceptance and participation in the reusable foodware system as one that connects us to loving and protecting land for future generations.
- Interviews with four unhoused community members (with additional planned)
- Seven system design meetings open to the public to inform the drafting of the system design document

Community and stakeholder engagement will be ongoing as we complete the draft system design plan, system set-up and prelaunch. Two public meetings are scheduled in April and May to gather public comment on the draft system design which will be finalized in June 2024.

### **Scope of Work**

\*estimated dates based on current project progress and most optimistic timeline to meet deadlines of secured grant funding for this project; timeline subject to modification based on securing CPRG funding that would allow for the expansion of the scope of the project

### **System Design (January to May 2024):**

- Community Engagement
  - Participate in weekly meetings with Perpetual and other relevant stakeholders, providing input on key topics
  - Continue building support for the program with local community through outreach and events
- Volume Data Collection
  - Lead on-the-ground team focused on volume data collection
- Design Review (one-on-one meetings and workshops)
  - Review System Design Drafts and provide input
  - Organize and lead two community workshops to solicit public feedback on design drafts

- Schedule and hold 10 one-on-one meetings with community members to talk through design drafts

#### **System Set Up (January to December 2024)**

- Support Across Project Activities
  - Brand Identity testing with public
  - Circulating Draft RFP with appropriate County contacts
  - Navigating standing up governance with County
  - Strategizing local communications strategy

#### **Pre-Launch (May 2024 to February 2025)**

- Business Engagement, Onboarding and Technical Assistance
  - Lead hiring and onboarding for Technical Assistance Specialist position to work with businesses
  - Recruit businesses and gather data from businesses that will participate in the program
  - Support organizing and participating in Training of Trainers virtual session
  - Lead drafting plan and conduct initial outreach
  - Support on organizing and participating in Training of Trainers in person session
  - Lead onboarding and technical assistance for businesses, schools and community organizations with meal programs
- Promote Launch
  - Support marketing campaign, spreading the word about the launch via social media and local promotions and events
  - Weekly meetings

#### **Launch (November 2024 to February 2025)**

- Build and train coalition of volunteers to assist with restaurant onboarding
- Support Testing and Launch
  - Support in helping test system prior to launch
  - Coordinate volunteer support for launch help
  - Be available for all-hands-on-deck needs for launch - e.g., restaurant loop, call-in help line, etc.
  - Participate in weekly meetings with Perpetual and other relevant stakeholders

#### **Post-Launch/Improvements (March 2025-March 2027)**

- Lead drafting case studies, tools, and materials
- Lead publishing case studies, tools, and materials
- Ongoing Outreach and Education
  - Recruit additional businesses to participate
  - Community presentations, education and outreach
  - Participate in meetings with Perpetual and other relevant stakeholders, including at least one system governance meeting

#### **Expansion to serve Puna and East Hawai'i Island (April 2027-end of grant period)**

- Support the Hawai'i County Reuse Extension Agent as need to expand the program outside of Hilo
- Ongoing Outreach and Education
  - Recruit additional businesses to participate

- Community presentations, education and outreach

Please feel free to reach out with questions or requests for additional information on how ZWHI will work in collaboration with Hawai'i County and Perpetual in the implementation of this project.

Sincerely,

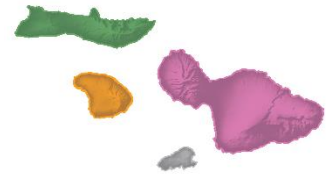
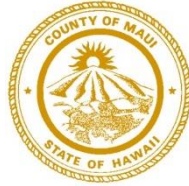
A handwritten signature in black ink, appearing to read 'J. Navarra', with a stylized, cursive script.

Jennifer Navarra  
Program Director  
Zero Waste Hawai'i Island

**RICHARD T. BISSEN, JR.**  
Mayor

**JOSIAH NISHITA**  
Interim Managing Director

**LUANA I. MAHI**  
Director



**OFFICE OF ECONOMIC DEVELOPMENT**  
COUNTY OF MAUI  
200 SOUTH HIGH STREET  
ONE MAIN PLAZA, SUITE 305  
WAILUKU, HAWAII 96793  
[www.mauicounty.gov](http://www.mauicounty.gov)

To: Mark Click, Chief Energy Officer  
Hawai'i State Energy Office

Date: March 12, 2024

**RE: EPA\_R-OAR-23-07: Climate Pollution Reduction Grant Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction implementation Grant Application."**

Mark Click,

This letter is to confirm our participation in the Hawai'i Climate Pollution Grant Application and our commitment during and throughout the project to manage and oversee the execution of the Maui Nui projects, implementing a holistic approach to environmental conservation and sustainable development.

The Offices of Economic Development and Innovation and Sustainability are truly committed to the EPA Coalition and the life-improving projects that are our goals for a sustainable and resilient Maui. The Maui County Million Trees Project, a reforestation initiative, preserving and restoring our natural habitat. Composting and Containers, a waste management program to enhance and teach sustainable practices in Maui schools. Biochar program, a sustainable solution sequestering carbon and improving the health of the soil.

County of Maui is serving our community by striving to create a sustainable and self-sufficient Maui, a place that will provide for her people, will improve the soil we live from, to create and implement sustainable solutions generationally, and lessen any negative impact to our islands.

Sincerely,

A handwritten signature in black ink that reads "Luana Mahi".

Luana I. Mahi  
Director  
Office of Economic Development  
Office of Innovation and Sustainability



March 14, 2024

Hawaii State Energy Office (HSEO)  
Leiopapa a Kamehameha Building  
235 S. Beretania St., Honolulu, HI 96813

RE: Letter Of Commitment

This letter confirms that Re-use Hawai'i intends to seek the Notice of Opportunity Funding source specific to the Climate Pollution Reduction Grant in partnership with the Hawai'i State Office of Energy. Re-use Hawai'i meets all the requirements specified in the NOFO and supports the HSEO in submitting all the mandatory information required to comply with the first step of the application process.

Mahalo for this generous grant partnership, which supports the mission of Re-use Hawai'i, where waste reduction and resource preservation are maximized through deconstruction and building material reuse, allowing the circular economy to thrive.

We appreciate your shared mission to preserve, provide, and sustain. We look forward to future opportunities to bridge our collective efforts.

Mahalo,

Faith Chase  
Director of Fundraising & Strategic Communications

faith@reusehawaii.org  
(808) 369-6745



UNIVERSITY  
of HAWAII  
MĀNOA



To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

March 13, 2024

**RE: EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"**

Chief Energy Officer Mark Glick,

This letter is to confirm the participation of University of Hawai'i at Mānoa, the Hawai'i Cattlemen's Council (HCC) and Hui Mālama i ke Ala 'Ūlili (huiMAU) in the Hawai'i Climate Pollution Grant Application and our commitment during the duration of the project to provide:

University of Hawai'i at Mānoa (Dr. Susan Crow and Linden Schneider) will be the lead point of contact for the Hawai'i State Energy Office and all project partners during the pre-award phase. Post-award, the University of Hawai'i at Mānoa will be responsible for performing the feasibility analysis by a postdoctoral scholar and graduate student for establishment of composting operations at OK Farms in partnership with HCC and consultant Rubens Fonesca and biochar operations at huiMAU. The postdoctoral scholar and graduate student will be advised by Drs. Susan Crow, Kirsten Olsen and Scott Turn. University of Hawai'i at Mānoa will also facilitate analysis of samples of compost and biochar as needed by the producers. The University of Hawai'i at Mānoa Department of Natural Resources and Environmental Management and the Hawai'i Natural Energy Institute will leverage the expertise in economics, decision science, carbon dynamics and sequestration, greenhouse gas flux, nutrient management in natural and managed (forested or agriculture) ecosystems, and biomass resources utilization. Dr. Crow currently works closely with Drs. Olsen and Turn, HCC, and HuiMAU to support implementation and economic evaluation of climate-smart agricultural practices in rangeland systems and native ecosystems restoration projects. Dr. Crow has further been instrumental in work on behalf of the State of Hawai'i with the US Climate Alliance Natural and Working Lands Research Team and the Climate Change Mitigation and Adaptation Commission.

HCC (Executive Director Nicole Galase; Project Manager to be hired) will be the lead point of contact in the post-award and project implementation phase, throughout the duration of the award (expected 5 years) for the Hawai'i State Energy Office and partners OK Farms (Hilo, Hawai'i) and huiMAU (Koholālele, Hawai'i). The HCC Project Manager, in partnership with consultant Rubens Fonesca, will ensure OK Farms has the resources (personnel, equipment and infrastructure) to comply with permitting, establishment, and operations of a large animal waste composting facility. HCC Project Manager will ensure reporting to the state. HCC aims to provide every cattle producer in Hawai'i the best opportunity to be both sustainable and profitable. With 150 members who are stewards of over 750 thousand acres of land in Hawai'i, or 20% of the State's total land mass, HCC serves as a critical partner in integrating waste reductions and working land management for natural climate solutions.



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hui mālama  
i ke ala 'Ūlili  
e ho'ōMAU i ke kuamo'o pono

huiMAU (Dr. No'eau Peralto) will be the lead point of contact for establishing biochar production capacity. huiMAU will provide reporting information to the HCC Project Manager on the biochar associated deliverables including permitting, establishment, and operations of the biochar production facility at huiMAU property in Koholālele, Hawai'i. huiMAU is a community-based grassroots non-profit organization "committed to cultivating kīpuka (safe, regenerative spaces) that foster and regenerate the growth of place-based ancestral knowledge, healthy food- and eco- systems, and strong 'ohana with the capacity to live and thrive in Hāmākua for generations". With HuiMAU as a project partner this project centers place-based Native Hawaiian community leadership in addressing climate change with solutions rooted in ancestral Hawaiian knowledge and data sciences that are grounded in thousands of years and multi-generational place-specific, time-tested research and development in generating 'āina abundance and community well-being in Hawai'i.

By uplifting place-based Native Hawaiian and local agricultural producer centered leadership and solutions rooted in place-based ancestral knowledge, we work towards social and environmental justice rooted in local communities. Increasing technical capacity and infrastructure for natural climate solutions lead by 'āina based organizations and located in Hawai'i is critical for sustainable climate pollution reduction. The participation of UH, HCC, and huiMAU is an integral collaboration of leadership that provides a diverse, strong, and established partnership for successfully implementing the project.

Dr. Susan Crow  
Professor  
University of Hawai'i at Mānoa  
College of Tropical Agriculture and Human Resources  
Department of Natural Resources and Environmental Management  
1910 East-West Road, Sherman Laboratory 101  
Honolulu, Hawai'i 96822  
corws@hawaii.edu

Nicole Galase  
Managing Director  
Hawai'i Cattlemen's Council  
P.O. BOX 934  
Hilo, Hawai'i 96721  
nicole@hicattle.org

Dr. No'eau Peralto  
Executive Director  
Hui Mālama i ke Ala 'Ūlili  
P.O. BOX 6  
Paauilo, Hawai'i 96776  
noeau.peralto@alaulili.com



E KŪPAKU KA 'ĀINA

THE HAWAII LAND RESTORATION INSTITUTE

*bringing severely degraded lands back...to places of ecological health and abundance*

E KŪPAKU KA 'ĀINA – THE HAWAII LAND RESTORATION INSTITUTE  
*bringing severely degraded lands back to places of ecological health and abundance*



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Juenlee Brown, Treasurer

*ED/Project Coordinator*

Penny Levin

Request for Interest Solicitation No. RFI -24-035-HSEO

Funding Opportunity: Climate Pollution Reduction EPA-R-OAR-CPRGI-23-07

RE: Eaolamāmā (Oxygen!) Carbon Sequestration Proposal, Waiehu, Maui

29 December 2023

Aloha;

E kūpaku ka 'āina (EKKA) is a Maui-based registered 501(c)(3) with a statewide reach. Our mission is bringing severely degraded lands back to places of ecological health and abundance. We are strongly committed to the success and partnerships of the *Eaolamāmā (Oxygen!)* project.

Over the course of the last twenty years, EKKA and our Executive Director/Project Coordinator have been involved in the restoration of traditional cultural landscapes (lo'i kalo) and native habitat restoration (coastal to mid-elevation dry, mesic and wet forest ecosystems) at the grass roots, private landowner and agency level. Our board members don't just support our collective work but are respected specialists in native plant species and habitats and agriculture in their own right. Our *Pili Wehena Ole O Na Kalo* (taro; an unseverable relationship) program focuses on indigenous Hawaiian food crop cultivar biodiversity conservation and the recovery of traditional Hawaiian agricultural sites, knowledge, and practice. Through this program and our *Researches in Traditional Hawaiian Agricultural Practices*, we farm, share what we learn, and support Hawaiian crop varieties research efforts that revive traditional knowledge, the science behind traditional agricultural practices and dig deep to gain a richer understanding of those practices to support improved livelihoods for farmers and move our islands towards greater food security and resilience.

In regards to the *Eaolamāmā (Oxygen!)* project, E kūpaku ka 'āina will provide award administration and management along with staff support for the five year period of the project, including field crew staffing and contracts. EKKA will assist in project coordination and implementation; provide native plant species guidance, planting plan recommendations and guidance for reforestation, traditional Hawaiian food crop cultivars appropriate to the site; develop and conduct field crew trainings; facilitate plant acquisition; monitor and document project progress, and develop project reports in collaboration with farmers, staff and partners.

This project will provide a strong model for landowners statewide to bring agricultural lands back into food production in a way that benefits the local community, the larger environment, and removes such lands from high fire risk conditions for the communities they surround.

We are excited by the opportunity to partner with ALGH LLC, the Hawai'i State Energy Office and the Hawai'i Climate Change Mitigation and Adaptation Commission and look forward to your response. Please let us know if you have any additional questions or require additional information.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Penny Levin', is written over a faint horizontal line.

Penny Levin  
ED/Project Coordinator

## ALGH LLC

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Aloha;

As the owners of the property involved in the project, Eaolamāmā (Oxygen!), and located in Waiehu, Maui, ALGH LLC is excited to partner with E kūpaku ka 'āina on this Climate Pollution Reduction opportunity for Hawai'i.

In August 2023, Maui saw the extreme level of damage that can be caused by fire fed by dry fuel loads from invasive species on fallow agricultural and degraded forest lands. The toxic GHGs released by the Lahaina, Kula and Olinda fires have yet to be fully measured. We know that longer and hotter drought cycles driven by global warming are a significant factor in these events. We are concerned about the ever expanding urban footprint in Central Maui that threatens to increase the heat footprint of Wailuku-Waiehu districts and reduce, even further, the ability of Maui to mitigate the increasingly frequent fires that plague our island. Restoring abandoned plantation agricultural lands to productivity in a manner that increases carbon sequestration and neutralizes GHG emissions from agriculture activities, and absorbs the GHG footprints of locally increasing traffic and development.

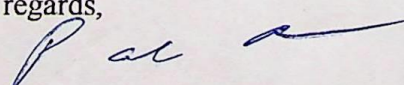
Towards that end, ALGH LLC has already been contributing to recovery efforts in Lahaina and Kula since immediately after the fires through donations of woodchip-filled erosion control socks. We know that chipping and recycling invasive tree species helps remove them from the GHG emissions cycle and from the threat of future fires. However, there is a long term need to capture toxic runoff from Lahaina and to prevent it reaching the ocean. A portion of the proposed project will not just sequester GHG emissions but also support fire recovery there.

ALGH LLC lands encompass approximately 480ac of former plantation agriculture lands and abandoned mac nut orchard. We believe in a proactive approach to climate change as it relates to agricultural lands in Maui. This particular land stands as a buffer against two new subdivisions slated for development in the near future, and the Hawaiian Homes subdivision of Waiehu Kou.

As part of this project, ALGH LLC will remove invasive trees and understory fuel loads, revitalize the mac nut orchards on approximately 200 acres, and will participate with EKKA in implementing the proposed carbon sequestration project on an additional 150 acres through the removal and repurposing of invasive species, planting of breadfruit, perennial and annual Hawaiian crops and other food trees, maintenance of reduced understory vegetation, and the restoration of native forest. We will provide access to the site and work closely with the field crew towards that effort. ALGH LLC will also provide oversight, expertise and management of tree chipping and continued distribution to Lahaina, the end goal of which is to lay the groundwork for revegetation projects by other organizations and community groups. We hope to become an example of what is possible for high fuel load, abandoned, agricultural lands as part of climate change solutions statewide.

We are strongly committed to the success of this project and look forward to the important changes that it will bring to Maui and how we approach climate change together.

Best regards,

  
Representative, ALGH LLC

(Mawagor)

ALGH LLC. PO BOX 791920, PAIA, Hawaii 96779



March 12, 2024

Mark Glick, Chief Energy Officer  
Hawaii State Energy Office  
235 S. Beretania Street, 5th Floor  
Honolulu, Hawaii 96813

Re: Letter of Support for Biki Bikeshare Hawaii's Hawaii Coalition Climate  
Pollution Reduction Implementation Grant Application

Dear Mr. Glick:

Hawaiian Electric expresses our support of the proposed project “Expanding Honolulu’s Shared Micromobility, Honolulu”, submitted by Biki Bikeshare Hawaii (“Biki”). This project requests funds for:

- 13 E-Stations for recharging bikes at the station
- 221 Biki E-bikes
- 2 e-cargo vans for rebalancing bikes
- 1 e-pickup truck for station maintenance

Hawaiian Electric is committed to reducing carbon emissions in 2030 by as much as 70 percent below 2005 levels. By 2045, our carbon emissions will be net zero. This project aligns with efforts to open up additional electrified opportunities for cyclists and last-mile travelers. According to the Hawaii Bicycling League, e-bike registrations in Hawaii tripled in 2022 to nearly 5,000, with 2023 registrations expected to surpass that benchmark by a significant margin. Biki has already served over half a million customers who have pedaled over 15 million miles during over 6 million trips; it is estimated that half of these trips would have been internal combustion engine (ICE) vehicles without Biki.

Hawaii is committed to transitioning to a net-negative carbon economy by 2045 and providing electric alternatives across all modes of transportation can serve to diversify the consumer choices available to Hawaii residents and visitors. Funding of this project will allow a broader demographic of users, older and less physically fit, to ride longer distances and an expansion into new areas, especially lower-income areas, that are often underserved neighborhoods with less transit access late at night. With your support, these funds will help Biki decrease the negative impacts of our transportation sector on public health and the environment. We ask you to seriously consider Biki's proposed project “Expanding Honolulu’s Shared Micromobility, Honolulu” for Hawaii's health and sustainable transportation future.

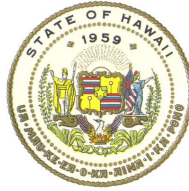
Thank you for your consideration.

Sincerely,

Marceau, Aki

Digitally signed by  
Marceau, Aki  
Date: 2024.03.12  
16:24:51 -10'00'

Aki Marceau  
Director, Electrification of Transportation



**STATE OF HAWAII**  
**HAWAII CLIMATE CHANGE MITIGATION & ADAPTATION**  
**COMMISSION**  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

**Co-Chairs:**  
Chair, DLNR  
Director, OPSD

**Commissioners:**  
Chair, Senate AEN  
Chair, Senate WTL  
Chair, House EEP  
Chair, House WAL  
Chairperson, HTA  
Chairperson, DOA  
CEO, OHA  
Chairperson, DHHL  
Director, DBEDT  
Director, DOT  
Director, DOH  
Chairperson, DOE  
Director, C+C DPP  
Director, Maui DP  
Director, Hawai'i DP  
Director, Kaua'i DP  
The Adjutant General  
Manager, CZM

March 18, 2024

To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

RE: EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"

Dear Mark,

On behalf of the Hawai'i Climate Change Mitigation and Adaptation Commission ("CCMAC"), I am writing in strong support of the Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application in response to the EPA's Climate Pollution Reduction Grants Program: Implementation Grants NOFO.

The CCMAC "recognizes the urgency of climate threats and the need to act quickly. It promotes ambitious, climate-neutral, culturally responsible strategies for climate change adaptation and mitigation in a manner that is clean, equitable and resilient." The Commission is the coordinating body for policies on climate change mitigation and adaptation for the state. It is a high-level multi-jurisdictional body that guides the priorities of the state's climate response. Co-chaired by the Department of Land and Natural Resources and the Office of Planning, it consists of 20 members.

The Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application is a call to action to meet the critical need for climate pollution reduction across sector throughout the state. By demonstrating a wide range of actions to proactively address the impacts of climate change on Hawai'i's population this proposal serves as a roadmap as to what we can accomplish when we work together. The program leverages identified partners' experience to extend their reach while developing new climate ready gateway education and training sustaining the program's impact beyond the life of this grant.

The CCMAC is committed to providing dedicated technical support for the duration of this project if awarded including, complying with subrecipient requirements under EPA's Subaward Policy, tracking and reporting to HSEO on project progress, on expenditures and purchases, assisting with tracking for Coalition partners, tracking,

measuring, and reporting to HSEO on accomplishments and proposed timelines and milestones and leading on community and stakeholder outreach and education for CPRG measures.

The Hawai'i State Energy Office is well positioned to lead this initiative, having extensive experience in leading cross boundary efforts and managing federal grants.

Thank you for your full consideration for funding the Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application that will better prepare our island state that is at the forefront of climate change.

Sincerely,

A handwritten signature in black ink, appearing to read 'Leah Laramée', with a stylized, flowing script.

Leah Laramée

Climate Change Mitigation and Adaptation Coordinator

State of Hawai'i

OFFICE OF CLIMATE CHANGE SUSTAINABILITY AND RESILIENCY

*KE KE'ENA LOLI ANIAU MĀLAMA 'ĀINA A ME KE OLA LOA*

**CITY AND COUNTY OF HONOLULU**

650 SOUTH KING STREET, 11<sup>th</sup> FLOOR • HONOLULU, HAWAII 96813

PHONE: (808) 768-2277 • EMAIL: [resilientoahu@honolulu.gov](mailto:resilientoahu@honolulu.gov) • INTERNET: [www.resilientoahu.org](http://www.resilientoahu.org)

RICK BLANGIARDI  
MAYOR  
MEIA



MATTHEW GONSER, AICP, CFM  
EXECUTIVE DIRECTOR &  
CHIEF RESILIENCE OFFICER  
*PO'O HO'OKŌ & KAHU OLA LOA*

BENJAMIN SULLIVAN  
DEPUTY DIRECTOR &  
DEPUTY CHIEF RESILIENCE OFFICER  
*HOPE PO'O & HOPE KAHU OLA LOA*

March 20, 2024

Mark Glick, Chief Energy Officer  
Hawaii State Energy Office  
235 S. Beretania Street, 5th Floor  
Honolulu, Hawaii 96813

SUBJECT: RE: EPA-R-OAR-CPRGI-23-07 : Climate Pollution Reduction Grants  
Program: Implementation

Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction  
Implementation Grant Application"

Dear Mark Glick:

The City and County of Honolulu (City) Mayor's Office of Climate Change, Sustainability and Resiliency (Resilience Office) coordinates City and community efforts to meet our ambitious goals to achieve net-negative carbon emissions on O'ahu by 2045 or sooner. We are pleased to be collaborating with the State of Hawai'i, via your office, and with the Counties of Kaua'i, Maui, and Hawai'i on the development of a coalition application to the US EPA for CPRG Implementation Funds.

Our office expresses our strong support for the Coalition Application broadly, and is providing ongoing support and collaboration for several specific projects within the coalition application including:

1. "Skyline Connect, O'ahu" submitted by the City and County of Honolulu Department of Transportation Services
2. "Expanding Honolulu's Shared Micromobility, Honolulu" submitted by Biki Bikeshare Hawai'i
3. "Affordable Green Housing Retrofit Program, Statewide (AGHRP)" submitted by the Hawai'i Public Utilities Commission
4. "Decentralized Compost Network for Hawai'i, Statewide" submitted by Sustainable Coastlines Hawaii
5. "Transfer Station Life Extension for Waste Diversion, O'ahu" submitted by Reuse Hawai'i

"Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"  
March 20, 2024  
Page 2

All of the projects listed here are important to our ongoing efforts to eliminate carbon pollution while reducing the cost of living for residents on O'ahu. Our office is committed to providing the support needed to assure that these projects are completed successfully and deliver their intended benefits to our community.

Thank you for the opportunity to collaborate on the development of this application. We look forward to working together closely as we move forward on the successful execution of all of these projects.

Sincerely,

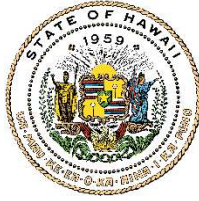
**Sullivan, Benjamin**

Digitally signed by: Sullivan, Benjamin  
DN: CN = Sullivan, Benjamin  
Date: 2024.03.19 18:04:49 -10'00'

Benjamin Sullivan  
Deputy Director and  
Deputy Chief Resilience Officer

**JOSH GREEN, M.D.**  
GOVERNOR | KE KIA'ĀINA

**SYLVIA LUKE**  
LIEUTENANT GOVERNOR | KA HOPE KIA'ĀINA



**STATE OF HAWAII | KA MOKU'ĀINA 'O HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
KA 'OIHANA KUMUWAIWAI 'ĀINA**

P.O. BOX 621  
HONOLULU, HAWAII 96809

**DAWN N.S. CHANG**  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE  
MANAGEMENT

**RYAN K.P. KANAKA'OLE**  
FIRST DEPUTY

**DEAN D. UYENO**  
ACTING DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE  
MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES  
ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

Date: March 18, 2024

To: Mark Glick, Chief Energy Officer  
Hawai'i State Energy Office

RE: EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants Program: Implementation Grants General Competition, "Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application"

Dear Mark,

On behalf of the Department of Land and Natural Resources (DLNR), I am writing in strong support of the Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application in response to the EPAs Climate Pollution Reduction Grants Program: Implementation Grants NOFO.

DLNR's mission is to "Enhance, protect, conserve and manage Hawaii's unique and limited natural, cultural and historic resources held in public trust for current and future generations of the people of Hawaii nei, and its visitors, in partnership with others from the public and private sectors." A major part of this mission has been to address climate change. DLNR Co-Chair's the Climate Change Mitigation and Adaptation Commission and is dedicated to accelerating climate action to meet our mission goals.

The Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application includes many measures that also meet this mission. Often natural lands are overlooked as a climate solution in lieu of technological solutions. By including natural solutions this applications is ensuring that natural lands continue to be highlights as an important piece of addressing climate change.

The Hawai'i State Energy Office is well positioned to lead this initiative, having extensive experience in leading cross boundary efforts and managing federal grants. Thank you for your full consideration for funding the Hawai'i Coalition Climate Pollution Reduction Implementation Grant Application that will better prepare our island state that is at the forefront of climate change.

A handwritten signature in black ink, appearing to be "Dawn Chang", is written over a horizontal line.

Dawn Chang  
Chair, Department of Land and Natural Resources

**Ulupono Initiative**  
999 Bishop St., Suite 1202  
Honolulu, HI 96813

**P** (808) 544-8960  
**F** (808) 432-9695  
**E** [info@ulupono.com](mailto:info@ulupono.com)

[ulupono.com](http://ulupono.com)

March 12, 2024

Mark Glick  
Chief Energy Officer  
Hawai'i State Energy Office  
235 S. Beretania Street, 5th Floor  
Honolulu, Hawai'i 96813

**RE:** EPA-R-OAR-CPRGI-23-07: Climate Pollution Reduction Grants  
Program: Implementation Grants General Competition, "Hawai'i  
Coalition Climate Pollution Reduction Implementation Grant  
Application"

Dear Mr. Glick:

I am writing in strong support of Biki / Bikeshare Hawai'i in their Hawai'i  
Climate Pollution Grant Application (Expanding Honolulu's Shared  
Micromobility, Honolulu) during the duration of the project.

Ulupono Initiative is a Hawai'i-focused impact investment firm that strives to  
improve the quality of life by helping our communities become more resilient  
through locally produced food, renewable energy, clean transportation choices,  
and better management of freshwater resources. Over the years, Ulupono  
Initiative has been an active supporter of Bikeshare Hawai'i by providing grant  
funding for organizational start-up and ongoing operational costs. This project  
is one of the most successful investments Honolulu has made to date in  
providing cleaner transportation choices. Biki (the bikeshare service operated  
by Bikeshare Hawai'i) is the 8th largest bikeshare system in the country, even  
though Honolulu is not the 8th largest city in the nation, illustrating how  
impressive our kama'aina-based system is.<sup>1</sup>

This funding request will enable Biki to meet the needs of more users and  
convert more vehicle trips into bicycle trips to help meet our climate goals.  
Integration of Biki with e-bikes would both simplify Biki users' connection to  
public transit and expand the adoption of Biki by more residents—as 35% of

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<sup>1</sup> National Association of City Transportation Officials 2022 Shared Micromobility Report,  
[https://nacto.org/wp-content/uploads/2023/11/NACTO\\_sharedmicromobilitysnapshot\\_correctedNov3-2023-1.pdf](https://nacto.org/wp-content/uploads/2023/11/NACTO_sharedmicromobilitysnapshot_correctedNov3-2023-1.pdf)



O'ahu residents surveyed for the City and County of Honolulu's Climate Action Plan report that they live/work near a Biki station.<sup>2</sup>

ulupono.com

We are particularly excited about the impacts of this funding request and how it helps to accomplish important objectives listed below.

- **Reduce the costs of living on O'ahu.** Ulupono's 2020 Costs of the Vehicle Economy in Hawai'i study outlines the significant direct and indirect costs of our current ground transportation system in our state. If averaged, households in Hawai'i are burdened by more than \$40,000 per year by the vehicle economy and its impacts. If we can help shed vehicles, they can save more than \$8,000 per year and contribute to more public investments in multimodal options.<sup>3</sup> Biki users have already made the switch for this reason, as 69% reported saving money while 17% have reduced their number of household vehicles.<sup>4</sup>
- **Make more sustainable and equitable transportation options available.** Up to 56% of residents are interested in bicycling but are concerned about bicycling safely.<sup>5</sup> This is a huge untapped demand for more sustainable options that we are not currently meeting. More people biking makes biking even safer and our streets, too, especially when they are using bikeshare.
- **Address O'ahu's climate and energy challenges ahead.** The recently released Hawai'i Priority Climate Action Plan estimates that expanding Biki would yield 1,550 metric tons of carbon dioxide equivalent by 2030 and another 3,101 by 2050 and identified it as one of its 19 priorities statewide.<sup>6</sup> This is the same as removing an estimated 330-690 cars off the road.<sup>7</sup> To date, Biki has served over half a million customers who have pedaled over 15 million miles during over 6 million trips; half of which likely would have been car trips instead.

On behalf of Ulupono Initiative, I submit this letter in support of Bikeshare Hawai'i's EPA funding request. Please reach out to me if you have any questions regarding our support of this project.

Sincerely,



Murray Clay  
President

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<sup>2</sup> City and County of Honolulu 2020 – 2025 Climate Action Plan, <https://www.resilientoahu.org/s/2020-2025-Climate-Action-Plan.pdf>

<sup>3</sup> Report Examines Hawai'i's \$21.8 Billion Vehicle Economy, <https://ulupono.com/news-listing/report-examines-hawaii-s-21-8-billion-vehicle-economy/>

<sup>4</sup> 2022 Biki Member Survey Results, <https://betterbikeshare.org/wp-content/uploads/2023/09/2022-Ridership-Data.pdf>

<sup>5</sup> 2019 O'ahu Bike Plan Update, [https://www.honolulu.gov/rep/site/dts/bike\\_docs/OBP\\_Final\\_2019\\_Oahu\\_Bike\\_Plan\\_Update.pdf](https://www.honolulu.gov/rep/site/dts/bike_docs/OBP_Final_2019_Oahu_Bike_Plan_Update.pdf)

<sup>6</sup> 2024 Hawaii Priority Climate Action Plan, <https://climate.hawaii.gov/wp-content/uploads/2024/03/Hawaii-PCAP-FINAL-March-1-2024-1-3.pdf>

<sup>7</sup> <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results>

