



APPENDIX G BUILDING RESILIENT INFRASTRUCTURE AND COMMUNITIES (BRIC) DIRECT TECHNICAL ASSISTANCE (DTA) EARLY STAKEHOLDER ENGAGEMENT SUMMARY REPORT

This appendix is included as a separate document.



Early Stakeholder Engagement

City & County of Honolulu

2024 Local Hazard Mitigation Plan Update



FEMA



Stakeholder Engagement

As part of the hazard mitigation planning process, the City and County of Honolulu needs to document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia, and other private and non-profit interested to be involved in the planning process. This means the City and County of Honolulu must identify all stakeholders involved or given an opportunity to be involved in the planning process and how each stakeholder was presented with this opportunity.

Early stakeholder engagement for the City and County of Honolulu's 2024 Local Hazard Mitigation Plan (LHMP) began in February 2024 with two communities: the Hau'ula of Ko'olauloa District on the northeast shore of O'ahu and the community of Wai'anae on the west shore of O'ahu. Early stakeholder engagement consisted of site visits and workshops that were organized by the City and County of Honolulu with Federal Emergency Management Agency (FEMA) support under the Hazard Mitigation Technical Assistance Program (HMPTAP) and Building Resilient Infrastructure and Communities (BRIC) Direct Technical Assistance (DTA) Contract. Representatives from local and regional agencies, business, academia, and private and non-profit organizations were present for the two days spent with the Hau'ula community. The Waianae Coast Comprehensive Health Center (CCHC) informed the City and County of Honolulu about the specific needs, vulnerabilities, and priorities for the Waianae community, which includes a predominantly Native Hawaiian and Pacific Islander population, and low-income and disadvantaged households.

Below is a brief summary of the 3-day site visit and workshops with these two communities; followed by a synopsis of the key natural hazards, asset vulnerabilities, potential hazard mitigation projects each community shared during the workshops; and the agencies and organizations represented at the workshops. An appendix includes additional materials, such the workshop agendas and meeting summaries.

Site Visit Itinerary

Day 1 - Wai'anae

The purpose of the workshop with the Wai'anae community was to listen and learn about the hazards, vulnerabilities, and mitigation needs of the Waianae CCHC. The Waianae CCHC is one of the largest non-profit federal health centers on the island of Oahu lead by a community that wants to address health disparities, improve public health and well-being, and reduce health inequities. The Wai'anae community also relies on the CCHC as the main health clinic as a learning center and safe place during emergencies.

Day 2 –Hau'ula

The workshops with the Hau'ula of Ko'olauloa District spanned two days. The purpose of the first day was to listen and learn about the hazards, vulnerabilities, and mitigation needs of the Hau'ula District, specifically the Ko'oalulua Resilience Hub and how the concept for the hub aligns with Action 15 of the O'ahu Resiliency Strategy. Approximately 30 different existing organizations and partners participated in the first day to share key hazards that affect the groups or entities they represent in



the community, followed by vulnerabilities to those hazards and potential mitigation projects. The team then toured sites around Hau'ula that showed hazard problems related to inland and coastal flooding, sea level rise, and coastal erosion.

Day 3 –Hau'ula

The purpose of the second day was to listen and learn more about the needs of the Hau'ula District and specifically the development of a BRIC grant Sub-Application for the Ko'olauloa Community Resilience Hub. Following additional presentations from community leaders and non-profit organizations (listed below), the City and County of Honolulu and FEMA team provided an overview of Hazard Mitigation Assistance (HMA) funding opportunities, and a detailed assessment of the current BRIC Sub-Application by highlighting key information and areas for improvement. The Hui o Hau'ula team (main organizing non-profit organization) provided a presentation about additional partnerships provided at the Hau'ula Community Center before a site visit to the property acquired for the proposed Ko'olauloa Community Resilience Hub.

Key Hazard Vulnerability & Mitigation Project Takeaways

Wai'anae

The primary hazards for the Wai'anae community consisted of coastal erosion, drought, earthquakes, flooding (inland and coastal), hurricanes, landslides and rock falls, sea level rise, severe weather (heavy rainfall), strong winds, tropical cyclones, tsunamis, and wildfire. Key vulnerabilities shared during the workshop included a range of socioeconomic challenges around providing a full range of healthcare services. The Waianae CCHC also shared concerns about the following vulnerabilities:

- Isolation during wildfire and hurricane events,
- Digital divide between populations with access to health care and those without access,
- Need for a community resilience hub,
- Severe weather hazards on a wastewater treatment plan,
- Secondary impacts from isolation during disasters associated with food sovereignty, and
- Loss of power during high wind and wildfire events.

Hazard mitigation priorities centered around hardening and upgrading communications systems, improving telehealth capabilities to minimize the digital divide gap, developing conceptual plans for a resilience hub at the Waianae CCHC, retrofitting a wastewater treatment plant, improving transportation accessibility during disasters, developing a campus food cultivation program, and evaluating the feasibility of an on-site safe room and microgrid network.

Hau'ula

The primary hazards for the Hau'ula District consisted of coastal erosion, flooding (inland and coastal), hurricanes, sea level rise, strong winds and tropical cyclones, and tsunamis. Key vulnerabilities sharing during the workshops consisted of the following:

- Lack of health resources (one hospital and one health center),



- Lack of a large emergency shelter outside of the flood and tsunami zones,
- Single ingress/egress highway serving the community (e.g., isolation during major disasters),
- Major highway with severe aging and improvement needs (i.e., Kamehameha Highway),
- Exposed water line impacted by salt water intrusion that could limit supply during disasters,
- Loss of power during high winds due to downed utility poles,
- Agricultural losses during severe weather and flood events,
- Severe coastal erosion at public beach parks,
- Food insecurity, and
- Aging communications systems.

Hazard mitigation priorities centered around the need for the Ko’olauloa Community Resilience Hub to serve as both a community center that houses community health organizations and as a safe room. Other hazard mitigation priorities shared with the non-profit organizations included a working siren, road and infrastructure improvements to the Kamehameha Highway (e.g. bridge upgrades, co-located utility hardening), retrofitting the main water line, hardening the electrical transmission and distribution system, agricultural resource protections during flooding and updating and implementing the 1996 Flood Mitigation Plan, coastal and beach restoration and adaptation projects, expanding the food cultivation and food bank program, and integrating the cultural connections within the community in a way that promotes better communications during disasters.

Representative Agencies & Organizations

The following agencies and organizations participated during the workshops for the Wai’anae and Hau’ula communities. It is important to note that given two days was spent in Hau’ula there were more academia and private non-profit and community-based organizations represented.

ORGANIZATION	KEY CONTACT	ONGOING & PAST ENGAGEMENT
Community Engagement and Risk Communication (CERC) (with Resilience Action Partners)	Megan Main, Matt Wagner	FEMA’s contract for Community Engagement and Risk Communication (CERC) supports national, regional, and local efforts that support the ways communities understand disasters risks while increasing their resilience to natural disasters.
City and County of Honolulu Department of Emergency Management (DEM)	Hiro Toiya	The City and County of Honolulu DEM has been working with the Hui o Hau’ula team on the FY21 BRIC Application since 2021 (3 years).
East West Center	Micah Fisher, Fellow of Research Program	Research Program Lead focused on climate vulnerability and adaptation and community-based resource management



ORGANIZATION	KEY CONTACT	ONGOING & PAST ENGAGEMENT
Federal Emergency Management Agency	Melissa Baker	The FEMA team was present to support the City and County of Honolulu under the Building Resilient Infrastructure and Communities (BRIC) Region 9 Direct Technical Assistance (DTA) Contract.
Hui o Hau'ula	Dotty Kelly-Paddock, Executive Director	A non-profit organization in the Ahupua'a of Hau'ula in the Ko'olaupua District that manages the Hau'ula Community Center. Primary lead for the proposed Ko'olaupua Community Resilience Hub.
Hawaii Food Bank: Food Pantry, Senior Food Boxes, Ohana Food	Dotty Kelly-Paddock, Executive Director	Employs more than 60 people on O'ahu and Kaua'i to serve the needs of the community and support the network of food partners. Locally-lead effort and non-profit service provider in Hau'ula.
Hawaii Health & Harm Reduction Center	Kunane Drier, Director of Training and Program Development	Serves Hawai'i communities by reducing harm and fighting stigmas around HIV, hepatitis, homelessness, substance abuse, mental illness, and poverty. The group focus on those disproportionately affected by social determinants and currently support the Hau'ula Community Center.
Hawaii Land Trust (Maunawila Heiau)	'Olu Campbell, Chief Executive Officer; Olivia Wallace, Administrative Coordinator	Past partner with CCH DEM; manage the 9-acre Maunawila Heiau Complex for cultural connections and 'aina-based education. the North Shore Community Land Trust (different organization) also partnered with CCH on the O'ahu Resilience Strategy.
Hawaii Community Action Program (HCAP)	Alakai Manu, Local Teacher	Non-profit organization that delivers need-based human services on O'ahu; local teacher in Hau'ula represents this group.
Ka`a`awa Community Leaders	Dee Dee Letts, Andria Anixt, Community Leaders	Several community leaders from the small community of Ka`a`awa south of Hau'ula support the the Hau'ula Community Center and are working towards improve accessibility, infrastructure, and food security.
Kahana Valley Community Leaders	Ulu Bierne, Lina Soliven, Community Leaders	Community leaders based on Kahana Valley south of Hau'ula; they consist of some of the last subsistence families in the community and advocate for better floodplain management.
Kahuku Community Association	Atalina Pasi, Board Member	Kakuku is north of Hau'ula and comprised of a group of leaders that represent approximately 2,500 people, including representatives from the Unified Hawaiian Health Board. They need an emergency shelter; only the school facilities can accommodate up to 150 people.



ORGANIZATION	KEY CONTACT	ONGOING & PAST ENGAGEMENT
Kahuku Medical Center	Dee Dee Tesina	Local organization that promotes health and well-being within the Native Hawaiian community. They have local clinics in both Wai’anae and Hau’ula.
Keiki O Ka’aina	Chentira Fiuk-Ajala	Family learning center that serves the local Native Hawaiian Community through education and advocacy for literacy; currently a Hau’ula Community Center partner.
Ko’olauloa Hawaiian Civic Club	Raynae Fonoimoana	Community organization dedicated to cultivating native Hawaiian culture; supports the Hau’ula Community Center.
Koolauloa Neighborhood Board	Pane Meatoga, Neighborhood Representative	Local Hau’ula representative to the Ko’olauloa Neighborhood planning processes, government reports, and local community projects (bike paths, land acquisitions, DOT updates, etc.) as they relate to CCH efforts.
Lahui Foundation	Carlos Mozo, President	Local non-profit that supports Kahuku schools.
Laie Community Association	Verla Moore, Community Member	Local community organizational group that support the well-being of the Laie community, north of Hau’ula. They are susceptible to flooding and coastal erosion; shelter is often shutdown because it is in the flood zone and is advocating for flood mitigation implementation and road improvements.
National Disaster Preparedness Training Center (NDPTC)	Karl Kim, Managing Director	Delivers training related to homeland security and disaster management with a focus on natural hazards and coastal communities.
NOAA	Bill Thomas, Senior Advisor and Barry Choy, Retired Staff	Work with the indigenous communities in Hau’ula and across the west; involved with researching the climate vulnerabilities specific to Hau’ula around next generation, flooding, food availability, energy resiliency, and health.
Nurture Cultivate	Mahealani Keo, Founder and CEO	Newly established organization with a mission to empower youth and leaders in the Hau’ula community through Hawaiian values.
Office of Climate Change, Sustainability, and Resiliency (OCCSR)	Sarah Harris, Madeline Krueger	The City and County of Honolulu OCCSR (in coordination with the DEM) has been working with the Hui o Hau’ula team on the FY21 BRIC Application since 2021 (3 years).
Ocean Education Coalition – North Shore	Not Available	Supports K-12 ocean education from Waialua to Waihee around the north shore of O’ahu.



ORGANIZATION	KEY CONTACT	ONGOING & PAST ENGAGEMENT
Pacific Gateway Center	Alan Higa	Empowers local low-income residents and other vulnerable populations, including Hau'ula.
Parents and Children Together	Bernie Correa	Serve over 17,000 parents on Oahu focused on early childhood education; locally based in Hau'ula.
Project Kuleana	Not Available	Provide youth of Hana the opportunity to explore Native Hawaiian culture through history, people, and places and live performances.
Punalu`u	Racine Hee, Lorraine Matagi	Small community south of Hau'ula of approximately 374 people with only two service stores; made up of agricultural land and flood-prone areas and a non-working siren. Long-time partner with Hau'ula Community Center.
The Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)	Amy Nielsen	Federal food program that supports low-income pregnant, breastfeeding, and postpartum women and children at risk of nutritional deficiencies.
Tokangaekina L L C: Uplifting our Keiki	Tima, Teacher	Weekly after-school tutoring program designed to assist students with the completion of school homework while learning cultural songs and dances; they are based in the Hau'ula Community Center.
UHM – Pacific Business Center	Dr. Tusi Avegalio, Director	Works with private businesses, government agencies, and community development organizations to enhance economic diversification and to support economically distressed and underserved communities.
UHM Urban Design Department + NDPTC	Dolores Foley, Retired Associate Professor	Retired Associate Faculty of the Urban and Regional Planning Department supports Hau'ula in planning efforts.
ULU Network- University of Hawaii	Not Available	Engages Hau'ula community around the health and well-being of the Native Hawaiian community.
University of Hawai'i Windward Community College	Ardis Eschenberg PhD, Chancellor	Accredited junior college located in Kāne'ohe.
Waianae Coast Comprehensive Health Center (CCHC)	Rich Bettini, Dan Gomes	Largest Federally Qualified Health Center (FQHC) on Oahu. In 2017 that serves more than 37,000 patients, with over 203,500 visits through seven service sites. Improves community care via primary care, behavioral health, nutrition, dental care, diagnostic services and pharmacy at one clinic.



ORGANIZATION	KEY CONTACT	ONGOING & PAST ENGAGEMENT
WSP USA	Juliana Prosperi, Jacob Gray	WSP USA supports FEMA under the Hazard Mitigation Technical Assistance Program (HMTAP) and BRIC DTA Contract by providing tailored technical support to communities and tribal nations that need resources and additional capacity to build climate resilience planning and project solutions on their own. WSP has been supporting the City and County of Honolulu since September 2023 on implementing a resilience hub network and helping them track and complete BRIC grant applications.

Supporting documentation included in the supplemental materials are listed below:

- Day 1 Itinerary
- Day 2 and 3 Itinerary
- Site Visit Summary

DRAFT

CITY AND COUNTY OF HONOLULU AND HAU'ULA, HAWAII SITE VISIT:

January 31 - February 2, 2024

TEAM SITE VISIT CONTACT AND TRAVEL DETAILS:

NAME	ORG	PHONE(S)	DEPARTURE	HOTEL
Melissa Baker (car)	FEMA	Work cell 202- 812-7532 Personal cell: 253-432-2515	Date: Sat. 2/3 Time: 1:35 Flight #: DL0310	Hyatt Regency Waikiki Beach
Jacob Gray (car)	WSP	785-213-1401	Date: Sat. 2/3 Time: 8:10am Flight #: WN1056	Holiday Inn Express
Megan Main (car)	CERC	517-414-8963	N/A	Hilton Hawaiian Village
Juliana Proserpi (car)	WSP	303-503-7794	N/A	Holiday Inn Express
Matt Wagner	CERC	Mobile: 303.929.2822	Date: Sat 2/3 Time: 8:00 am Flight #: UA 372	Courtyard Marriot

REMINDERS

- Nearest printing: The UPS Store: 758 Kapahulu Ave Ste 100, Honolulu, HI 96816
- Wear/bring shoes appropriate for a variety of setting – particularly outdoor/rugged terrain.



FEMA

DAY 1 – CITY AND COUNTY OF HONOLULU SITE VISIT:

WEDNESDAY, JANUARY 31, 2024

CITY AND COUNTY OF HONOLULU

- **Hiro Toiya**, *Director*, Department of Emergency Management - City and County of Honolulu
- **John Whitehouse**, *Infrastructure, Mitigation and Recovery Officer*, Department of Emergency Management - City and County of Honolulu
- **Sarah Harris**, *Hazard Mitigation and Long-Term Disaster Recovery Program Manager*, Resilience Office - City and County of Honolulu
- **Madeline Krueger**, *Coasts and Hazards Mitigation Fellow* (Jawai’I Sea Grant Grau Fellow)

TIME	EVENT PURPOSE/GOAL	LOCATION
8:00am – 9:45am HST	<ul style="list-style-type: none"> • Introductions. • Overview of Resilience Hub Concept- CCHNL & CERENE (partner organization). 	City and County of Honolulu 650 S King St. Honolulu, HI 96813 PARKING: Motorpool area (see attached instructions)
10:00am HST (depart)	Travel to Waianae Coast Comprehensive Health Center (see notes below for overview). Visit WCCHC: <ul style="list-style-type: none"> • WCCHC vision for resilience hub. • Other potential mitigation actions for WCCHC. <i>*Transit may be provided.</i>	WCCHC 86-260 Farrington Hwy, Waianae, HI 96792
12:00 – 12:45p HST	Lunch at WCCHC.	
12:45 – 2:00pm HST	Depart WCCHC, return to city/county building.	City and County of Honolulu 650 S King St. Honolulu, HI 96813
2:00 – 3:30pm HST	Overview of CCHNL Grant, Budget, and Procurement Process, Challenges - Andy Kawano , <i>BFS Director</i> and Carrie Castle , <i>Deputy Director</i> .	



FEMA

3:30 – 3:45pm HST	Meet and Greet with Mayor Rick Blangiardi and Mike Formby, <i>Managing Director</i> .	
3:00 – 4:30pm HST	<ul style="list-style-type: none"> • FEMA-led discussion: <ul style="list-style-type: none"> ○ Success stories of sponsorship of BRIC for NGOs- Baltimore solar project, etc. ○ Success stories of other jurisdictions with BRIC; administrative structure, capacity, etc. • Open Discussion: <ul style="list-style-type: none"> ○ Components/feature of resilience hubs to focus on for BRIC. ○ How to articulate resilience hub or its components for mitigation plan. 	
After hours social	TBD (Sarah coordinating)	

Notes:

WAIANAЕ (wā'i-ā-nā'e) COAST COMPREHENSIVE HEALTH CENTER

The Waianae Coast Comprehensive Health Center was founded in 1972. At that time, it had one doctor and five staff members. By 2017, the center had seven service sites and served more than 37,000 patients. The health center is a nonprofit organization; it works to address health disparities, improve population health, and reduce health inequalities.

The center also has a “Health Career Pipeline.” The staff train local residents to provide culturally competent health care to the Waianae community. The center provides both educational resources and career advancements within the community. These efforts have been a huge boon to the local economy.

More information on the Waianae Coast Comprehensive Health Center can be found [here](#).

HUI HULIAU (hoo-wee hoo-lee-ow) NATIVE HAWAIIAN ORGANIZATION

Hui Huliau is a nonprofit Native Hawaiian Organization founded by Adrian Nakea Silva in 2011. Silva wanted to help his fellow Waianae community members become more self-reliant and self-sufficient. He thought education would help people overcome unemployment and poverty. Between 2017 and 2022, Hui Huliau provided over \$14.5 million in benefits to Native Hawaiians in health, social and cultural support; education and development; lands; economic and community development; employment; economic benefits; and many others.

Hui Huliau is a family of companies. Their services include aviation, construction, cybersecurity, facilities and base operations, IT, logistics, mission support, training, and contracting. Hui Huliau’s website shows that it has done work in 32 countries.

More information on Hui Huliau can be found [here](#).



FEMA



FEMA BRIC DTA SITE VISIT HAU`ULA- KO`OLAULOA

LOCATION: HAU`ULA COMMUNITY CENTER
54-010 KUKUNA RD. HAU`ULA HI 96717

1. DAY 1- FEB.1:

9- 9:15 am: Welcome- Cultural Oli, Lei Ceremony and Pule: Zeni Ise

9:20 am: FEMA Direct TA Team– Melissa Baker, Juliana Prosperi, Liu Xing, Lauren Geraghty, Jacob Gray, Megan Main, Louisa Austin

9:30 am: Community Leaders from Ko`olauloa District & Other Honored Guests:

NOAA: Bill Thomas and Barry Choy

National Disaster Preparedness Training Center (NDPTC)- UHM: Karl Kim

UHM Urban Design Department + NDPTC- Dolores Foley, Retired

UHM- Pacific Business Center- Dr. Tusi Avegalio, Retired

Kahuku Community Association-Atalina Pasi

Laie Community Association- Verla Moore, President

Koolauloa Neighborhood Board-Pane Meatoga. Chair

Hau`ula Community Association & Hui O Hauula 501c3 nonprofit:

Dotty Kelly-Paddock, Ella Siroskey, Linda Avegalio, Ken Furukawa, Raynae

Fonoimoana, Mona Curry, Michael Epp, Ivan Keoho

Punalu`u- Racine Hee, Lorraine Matagi

Kahana Valley- Ulu Bierne, Lina Soliven

Ka`a`awa- Dee Dee Letts, Andria Anixt, Sunny Greer

Part 1: 9:30 am-10:30am Orientation to Ko`olauloa Built Environment

Comments from Ko`olauloa Community Leaders:

Physical Environment: Hazards/Risks: Extreme Weather Events:

Hurricanes, Tsunamis, Flash Floods, Fires, Earthquakes and
Trees/Invasive Vegetation

Built Environment: Infrastructure Risks-: Homes/ Buildings, Kamehameha Highway (one way in and one way out), Bridges (100 yr, old), Water and Power/Utilities Distribution Systems along Kamehameha Hwy, Stream Hazards (Flood Risks)

(overview 10 min per community)

- (1) Hau`ula: Dotty Kelly-Paddock
- (2) Laie: Verla Moore
- (3) Kahuku: Atalina Pasi + others
- (4) Punalu`u: Racine Hee, Lorraine Matagi
- (5) Kahana Valley: Ulu Bierne, Lena Soliven
- (6) Ka`a`awa: Dee Dee Letts, Andria Anixt, Chris Goodie, Sunny Greer

Break: 20 minutes

**11am-Depart to Kahuku Farms for Lunch: Community Reps & FEMA Team,
Community Reps & HOH/HCA Board members and honored guests.**

12:30 Orientation Tour of Ko`olauloa District: Community Reps & FEMA Team

- (1) Kahuku (30 min.)
- (2) Laie (30 min.)
- (3) Hauula (30 min.)
- (4) Punaluu (30 min.)
- (5) Kahana Valley (30 min.)
- (6) Kaaawa (30)

3:30-4:30 pm: Debrief+Restroom: Ka`a`awa (Dee Dee's House)

Return to Hau`ula Community Center- 5 PM

2. DAY 2- FEB. 2

LOCATION: HAU`ULA COMMUNITY CENTER- MULTIPURPOSE ROOM

8:30 AM: Maunawila Heiau- A Sacred Place in Hau`ula- Rebekah Walker

9:00- 10:15 am: SMALL GROUP: Review 2020 FEMA Proposal Feedback with

Hui O Hau`ula team. (Meeting will also include Illya Azaroff and Jordan Buss via Zoom)

Day 2- General Session:

10:30 AM Lei Presentation to FEMA Team by Council of Native Hawaiian

Advancement: by Samantha Aea

General Presentation/Discussion: CDC Social Vulnerability Index

- A. Social Vulnerability refers to the resilience of a communities when responding to hazardous events, whether a natural disaster like a hurricane or a disease outbreak or a human-made event like a chemical spill. Factors (listed below) will weaken a community's ability to prevent human suffering, financial loss in a disaster or recovering from threats such as: hazardous events, natural disasters or disease outbreaks.

The higher the count the more vulnerable the population: Social, Economic, Native Hawaiian/Indigenous, Health (Mental Health), Medical Issues, Disabilities, Housing, Language/Literacy, Lack of Vehicle Access/Transportation, Crowded Housing, Age, Isolation (cultural, geographic or social), Race/Ethnicity, Employment, Education and Income all play a role in the level of vulnerability.

CDC Social Vulnerability Scale

10-10:15: Dotty Kelly-Paddock: Intro and overview of Social Vulnerability of Hau`ula Community.

10:30-11:30: Q & A Community Representatives Q & A, Discussion and community members sharing their stories.

BREAK 11:30

12-1pm: Lunch Buffet by Ko`olauloa Kupuna Club /Tutu's

1-2:30 pm: Partnership Hub Presentation:

Slideshow Presentation- Dotty + Partnership Hub members (Each Partner please provide a brief description of services, number served weekly and days and hours of services)

Hui O Hau`ula & Partnership Services provided at Hau`ula Community Center:

Healthy Living Hui- Dr. Miriam Chang/Ella & Amy,

Kupuna Service Navigators- Ella and Linda (Hawaii Public Health Institute)

TuTu's Treasures- Ginny

Kupuna Art- Richard

Tai Chi- Mike

Pickleball and Card-Making- Barbara

Mexican Train- Ella Siroskey

Hawaii Food Bank: Food Pantry, Senior Food Boxes, Ohana Food – Dotty

Services by Nonprofit Partners:

East West Center- Micah Fisher and

Hawaii Community Action Program- Alakai Manu (teacher)

Health Harm Reduction Center- Kunane Drier

Keiki o Ka Aina- Chentira Fiuk-Ajala (teacher)

Keo La Mamo- Dee Dee Tesina

Kahuku Medical Center- Kanane Horito

Ko`olauloa Hawaiian Civic Club- Raynae Fonoimoana

Ko`olauloa Raiders (Football Team), Baseball Team- Julene Kawaauhau

Lahui Foundation- Carlos Mozo

Nurture Cultivate- Mahea Keo

Maunawila Heiau- Olivia Wallace

Pacific Gateway Center- Alan Higa

Parents and Children Together- Bernie Correa+

WIC/Waimanalo Healthcare- Amy Nielsen

Windward Community College- Ardis Eschenberg PhD, Chancellor and Melanie Dorado

Wilson, Vice-Chancellor

Ko`olau Counseling- Eric Orr, PhD

Tokangaekina L L C: Uplifting our Keiki- Tima

ULU Network- University of Hawaii

Discussion Q+A

BREAK- 2:30-3 PM

3:30-4:30pm: Site Visit to: Ko`olauloa Community Resilience Hub

(Please plan to bring/wear walking shoes, mosquito spray, long sleeves, pants)

CITY AND COUNTY OF HONOLULU

EXECUTIVE SITE VISIT SUMMARY

JANUARY 31 - FEBRUARY 2, 2024

PURPOSE:

FEMA Region 9 staff made a three-day site visit to Honolulu, Hawaii in January and February 2024. They brought staff from WSP, who support FEMA's Hazard Mitigation Technical Assistance Program (HMTAP), and from *Resilience Action Partners*, who support FEMA's Community Engagement and Risk Communications (CERC). The visit had two purposes:

- To learn about the challenges, needs and concerns of the county of Honolulu and its communities.
- To visit the town of Hau'ula, and to learn more about their plan for a resilience center and safety room.

The visit also gave these communities an opportunity for to learn more about FEMA's grant programs. This focused on the requirements for a Building Resilient Infrastructure and Communities (BRIC) grant and on the Direct Technical Assistance (DTA) program. Findings from this visit will help inform local decisions and priorities for seeking further support through the DTA program.

ACTION ITEMS:

- Offer training on grants to City and County of Honolulu (CCH) staff, and particularly the Budget and Fiscal Team. (FEMA).
- Best practices or past examples for county sponsored support of PNP utilizing BRIC
- Schedule and hold a discussion with the Hau'ula Resilience Hub engineering team. Discuss project details and eligibility. (HMTAP/FEMA) – Note: *This took place in March 2024.*
- Brief the CCH on the BRIC grant selection process. (FEMA).
- Share Guides to Expanding Mitigation (GEMs) with Dotty and her team. (CERC).
- Complete a draft Needs Assessment and survey questions. (WSP)
- Connect with architect on budget and design. (Illya Azaroff)
- Share a procurement checklist with CCH. (WSP)

OUTCOMES:

- 1) FEMA and WSP have coordinated with Dotty. They discussed the budget and the eligibility of the Hau'ula Resilience Hub project.
- 2) Hiro will present FEMA's findings on the feasibility of the project to his leadership. They can decide if they want to move forward or find other potential projects for Hau'ula.
- 3) FEMA is discussing internally ways for DTA to assist with CCH's plan update. This will ultimately involve HMTAP and CERC support.

CITY AND COUNTY OF HONOLULU

EXECUTIVE SITE VISIT SUMMARY

WEDNESDAY, JANUARY 31, 2024: SUMMARY

ATTENDEES:

ORGANIZATION/ AGENCY	PARTICIPANT NAME	ROLE/TITLE			ATTENDANCE		
			AM	WCC HC VISIT	PM		
FEMA Region 9	Melissa Baker	BRIC DTA Facilitator			X	X	X
WSP (HMTAP Contractors)	Jacob Gray	Senior Hazard Mitigation Specialist / Asst. Vice President of Environmental Planning and Mitigation, WSP			X	X	X
	Juliana Prosperi	Assistant Vice President, Environmental Scientist, WSP			X	X	X
Resilience Action Partners (CERC Contractors)	Megan Main	Sector Lead, <i>Resilience Action Partners</i>			X	X	X
	Matt Wagner	Task Order Lead, <i>Resilience Action Partners</i>			X	X	X
City and County of Honolulu (CCH) and State	Carrie Castle	Deputy Director, CCH Budget and Fiscal Services					X
	Cross Crabbe	Rep. Cedric Gates				X	
	Amy Duran	(Role could not be located)					x
	Reid Goto	Department of Budget and Fiscal Services Purchasing Division					X
	Sarah Harris	Hazard Mitigation and Long-Term Disaster Recovery Program Manager, CCH Office of Climate Change, Sustainability and Resiliency			P	X	X
	Andy Kawano	Director, CCH Budget and Fiscal Services					X
	Madeline Krueger	Department of Emergency Management CCH			X	X	X
	Patrice Tarra	Senator Maile Shimabukaro				X	
	Hiro Toiya	Director, Department of Emergency Management, CCH			X	X	X
	John Whitehouse	Infrastructure, Mitigation & Recovery Officer, Dept. of EM			X	X	X
Waianae Coast Comprehen sive Health	Daniel Gomes	WCCHC Board				X	
	Alicia Higa	WCCHC Elepaio Social Services				X	

CITY AND COUNTY OF HONOLULU

EXECUTIVE SITE VISIT SUMMARY

ORGANIZATION/ AGENCY	PARTICIPANT NAME	ROLE/TITLE			ATTENDANCE	
			AM	WCC HC VISIT	PM	
Center (WCCHC)	Chrissy Kuahine	WCCHC Director of Informatics				X
Center for Resilient Neighborhoods (CERENE)	Dr. Miku Lenentine	Program Coordinator, CERENE	P			

Note: In the above table, X identifies participant, P reflects presenter.

MORNING PRESENTATION/MEETING:

- The site visit began at the CCH Department of Emergency Management offices with a presentation on the Resilience Hub concept and an overview of the Center for Resilient Neighborhoods (CERENE), a partner organization. The presentation was given by Dr. Miku Lenentine and Sarah Harris.
 - The vision of the Resilience Hubs is to create a trusted gathering place. It can bring together partners who work in government, business, community organizations, lifeline support, and the community. The aim is to provide, via hubs, “blue sky” social capital with the capacity to respond in emergencies. “Big and small, we need them all.”
 - This is envisioned as a hub and spoke model. Hubs would not be independent, but built on the relationships already in the community.
 - Identified 156 potential HUB locations in 32 neighborhoods across Oahu.
 - Identified 200 specific next steps at the neighborhood scale.
- Possible support from FEMA noted during this session included assistance in coordinating with community organizations, establishing eligibility, developing grant applications, and technical training.
- CCH’s selection process was discussed. People talked about identifying specific groups for city sponsorship. CCH wants to be intentional in choosing the recipients of DTA support.
- Hiro identified CCH’s priorities for BRIC DTA:
 - Support for Hau’ula. They intend to use this project as a case study to inform future work.
 - Identify other eligible entities (outside of Hau’ula).
 - Learn about best practices in partnerships. Focus specifically on state to county or city to local.
 - Consider the city and county’s structure to handle grants. What new laws or ordinances could benefit CCH’s resilience? Concerns around new construction were noted.
- Dotty (Hau’ula) shared that Hawaii is exploring a state designation of vulnerability. A rating system is in the early stages. Miku mentioned a site suitability analysis she has access to.

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- A concern about grouping communities inappropriately was discussed. One person or a small group of people can have a large impact on a community's social vulnerability ratings.

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SITE VISIT WCCHC:

The group traveled to the Waianae Coast Comprehensive Health Center (WCCHC) to learn about its vision for resilience. The following insights were provided by FEMA Region 9, WSP, and *Resilient Action Partners* staff.

- Main concerns: Inundation, tsunami, wildfire, climate change, sea level rise.
 - Trails act as fire breaks now, but the community is not protected on all sides.
 - Smoke from nearby fires have shut down operations.
- Needs identified during the meeting include:
 - Funding.
 - Communications and telehealth capabilities.
 - Transit/Transport (there is only one route in and out).
- Members of the WCCHC community mentioned a helipad and boat coordination for supplies, staff, etc. in case of emergency.
- Two emergency plans exist, but people expressed the desire for a more coordinated effort. They felt that WCCHC would be cut off in an emergency, if they did not understand how or to whom to reach out for help.
 - WCCHC is actively working on a wastewater treatment plant reclamation project. (An application for funds is in the works with NOAA. Also, other agencies have reached out to WCCHC with interest in supporting it. The proposal is for WCCHC to pull 60-70K gallons of water/day to use for irrigation and wildfire protection.



Picture of a WCCHC campus buildings.

AFTERNOON MEETINGS:

- In the afternoon, the group returned to the CCH Department of Emergency Management offices. They discussed the county and city's grant, budget, and procurement process challenges with Andy Kawano, Carrie Castle, and other members of CCH's Department of Budget and Fiscal Services (BFS).
- These challenges were noted:
 - The department lacks the capability and capacity to apply for grants efficiently. Team members feel they are not qualified to respond to questions. They need technical staff to support requirements. Also, they lack the time. The procurement and administration of the BRIC grant process was too time consuming. If they spend time on that, it comes at the expense of time needed elsewhere.
 - They have had trouble filling their engineering positions.
 - It took CCH two years to receive funding. This gave the city/county only eight months to complete their HMP update.
 - FEMA shared that they could support moving the plan forward. That could help alleviate the burden of BRIC funding timing.
- Hiro shared that the Department of Planning and Permitting is a major focus for the current Mayor, Rick Blangiardi.

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- Local developers are asking for more modern building codes. The DPP is looking at codes and is working on reducing their backlog.
- The project team also met briefly with Mayor Rick Blangiardi and Managing Director Mike Formby.
- Outstanding questions that were identified on Day 1 include:
 - Is there a state designation of underserved communities? Can it be used?
 - How often can a reimbursement be requested? (This was flagged as a question for the state, but then a larger concern was raised about the state as a middle person.)

THURSDAY, FEBRUARY 1, 2024: SUMMARY

ATTENDEES:

ORGANIZATION/ AGENCY	PARTICIPANT NAME	ROLE/TITLE
FEMA R9	Melissa Baker	BRIC DTA Facilitator
WSP (HMTAP Contractors)	Jacob Gray	Senior Hazard Mitigation Specialist / Asst. Vice President of Environmental Planning and Mitigation, WSP
	Juliana Prosperi	Assistant Vice President, Environmental Scientist, WSP
<i>Resilience Action Partners (CERC Contractors)</i>	Megan Main	Sector (Regions 8, 9, 10) Lead, <i>Resilience Action Partners</i>
	Matt Wagner	Task Order Lead, <i>Resilience Action Partners</i>
City and County of Honolulu (CCH) and State	Sarah Harris	Hazard Mitigation and Long-term Disaster Recovery Program Manager, CCH Office of Climate Change, Sustainability and Resiliency
	Madeline Krueger	Department of Emergency Management, CCH
	Hiro Toiya	Director, Department of Emergency Management, CCH
Hau'ula	Dottie Kelly-Paddock	Hau'ula Community Association President

Note: many community members and reps from Hau'ula and the surrounding communities participated but were not captured on the attendance list

Hau'ula Site Visit Day 2:

- Day 2 began with a visit to Hau'ula. Attendees heard from Dotty Kelly-Paddock, Hau'ula Community Association Director. Community members from Laie, Kahuku, Punulu'u, Kahana Valley, and Ka'a'awa spoke also. They shared personal stories of disasters. Through these stories, the following shared hazards were identified:
 - Flooding.

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- Coastal erosion.
- Limited access in, out of, and between communities.
- Gaps in cell/internet coverage.
- Early warning siren (Punulu'u).
- Inefficient shelter (size and safety – Hau'ula).
- People expressed concerns for the next generation of residents. Community members are worried about the affordability of water, food, energy and health care.
- They noted the importance of social, cultural, and spiritual sites for connection and understanding. The communities feel responsible to take care of their people and the air, land and water. They are concerned about projects that do not engage the community. (A relocation project was noted here.) That kind of project does not reflect local values.
- In Kahana, residents “head to the mountains” when disasters strike. This community is fully cut off. They would be unlikely to reach the envisioned resilience hub in a time of need.
- Community members also commented that OCCSE and DEM “actively protested the development of this hub.”
- Members shared that they would benefit from safe rooms for each community. It was noted that a flood could wash out multiple bridges and restrict access to a single large safe room in one community.
- After this input, Dotty led the group to various sites across Laie, Kahuku, Punulu'u, Kahana Valley, and Ka'a'awa.

FRIDAY, FEBRUARY 2, 2024: SUMMARY

ATTENDEES:

ORGANIZATION/ AGENCY	PARTICIPANT NAME	ROLE/TITLE
FEMA R9	Melissa Baker	BRIC DTA Facilitator
WSP (HMTAP Contractors)	Jacob Gray	Senior Hazard Mitigation Specialist / Asst. Vice President of Environmental Planning and Mitigation, WSP
	Juliana Prosperi	Assistant Vice President, Environmental Scientist, WSP
Resilience Action Partners (CERC Contractors)	Megan Main	Sector (Regions 8, 9, 10) Lead, <i>Resilience Action Partners</i>
	Matt Wagner	Task Order Lead, <i>Resilience Action Partners</i>
Hau'ula	Dottie Kelly-Paddock	Hau'ula Community Association President

Note: many community members and reps from Hau'ula and surrounding communities participated but were not captured on the attendance list

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HAU'ULA SITE VISIT DAY 3:

- FEMA began with a presentation on BRIC DTA. This defined the program and gave details on a sub-application, the budget for a sub-application, and technical scoring criteria. After that, the team and Hau'ula discussed the viability of the requested project as it stands.
 - A determination of eligibility or ineligibility is subject to the reviewer or approver. Messaging on the final eligibility should be clear. That will be determined once FEMA reviews and approves the detailed construction cost estimate if the project is submitted and selected for competitive BRIC funding.
- Hau'ula gave presentations on:
 - The cultural restoration of Native Hawaiian homesteading sites.
 - The function and partners of the Hau'ula Civic Center.
- After the presentations the group visited the location of the proposed Resilience Hub. The group discussed past, present, and future uses.



The desired safe room location, with a locally drawn mural representing the community of Hau'ula.



The team at the proposed safe room location for Hau'ula.

ATTACHMENTS:

- FEMA BRIC DTA Presentation
- City and County of Honolulu Community Profile