CARE Committee

From: Makale'a Ane <makaleaane@gmail.com>
Sent: Wednesday, September 01, 2021 10:39 AM

To: care.committee@mauicounty.gov; CARE Committee; Nicole A. Siegel

Subject: Presentation for today

Attachments: CoM Resilience Strategy 9.1.21.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Some people who received this message don't often get email from makaleaane@gmail.com. Learn why this is important

Aloha,

My County email is acting up so I am sending my presentation from my personal email.



DEFINITION OF RESILIENCE

THE ABILITY TO ADAPT AND THRIVE
TO SHOCKS AND STRESSORS

EXACERBATED BY CLIMATE CHANGE

....ABILITY
....ADAPT
....THRIVE
....SHOCKS
....STRESSORS

FRONTLINE COMMUNITIES UNDERSERVED POPULATIONS VULNERABLE POPULATIONS

Impacts on Equity

- Vulnerability to the impacts of climate change and the capacity to adapt to these changes is highly uneven across communities
- Frontline communities are often disproportionately affected by the impacts of climate change
- Implementation strategies need to ensure inclusivity, especially of frontline communities and underserved populatiosn

Frontline Communities

(aka vulnerable populations, historically disadvantaged)

- Low-income residents
- People with disabilities
- People with mental illness
- Seniors/kupuna children
- People without access to vehicles
- Visually/hearing impaired
- People dealing with substance abuse
- Non-native English speakers
- Undocumented immigrants
- Refugees
- Those without the ability to access resources in a crisis (ie. Family, friends, financial resources)

RESILIENCY HUI CROSSWALKING COMMUNITY INPUT



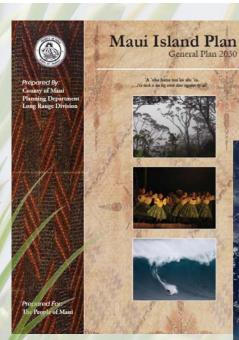
County of Maui Resilience Survey (How can Maui adapt in a crisis?)

The County of Maui is seeking public input on how Maui County can become more resilien

Resilience is the capacity to survive, adapt, and thrive no matter what kinds of chronic stresses (housing shortage, income inequality, sea level rise, etc.) and acute shocks (storpandemic, earthquake, etc.) our island experiences.

Your survey answers will only take 10 minutes and will help ensure that we address the areas where you think Maui County is most vulnerable, and shape a Resilience Strategy the will guide our efforts over the coming years.

* Required





Survey: Defining the "New Normal"

This survey is now closed. Thank you!

To be notified on results, sign up with Council Chair Lee's newsletter at mauicounty.us/lee

DRAFT WEST MAUI COMMUNITY PLAN Maui County Planning Department Draft | Updated May 2020

repared for: West Maui Community Plan Advisory Committee



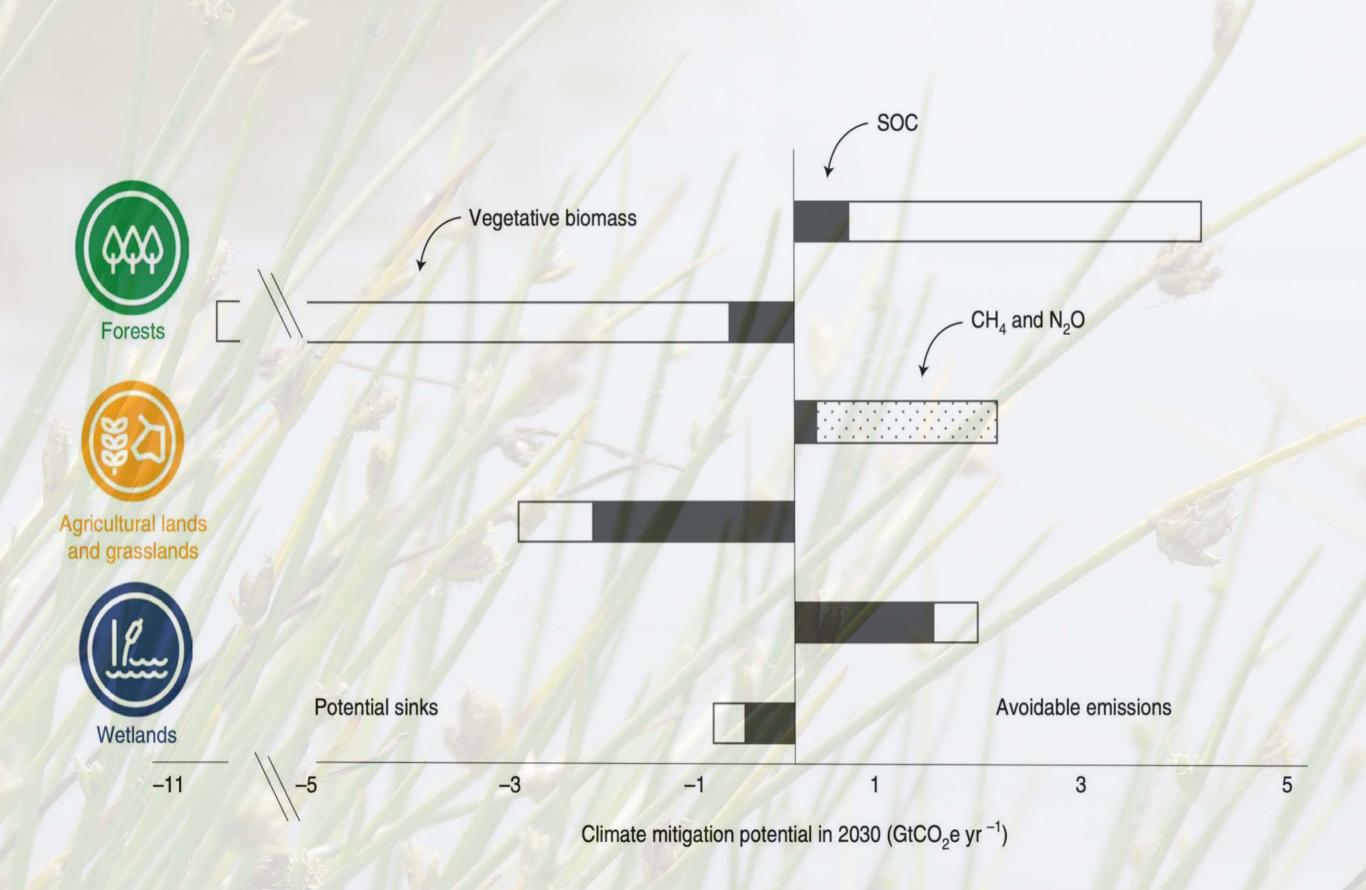


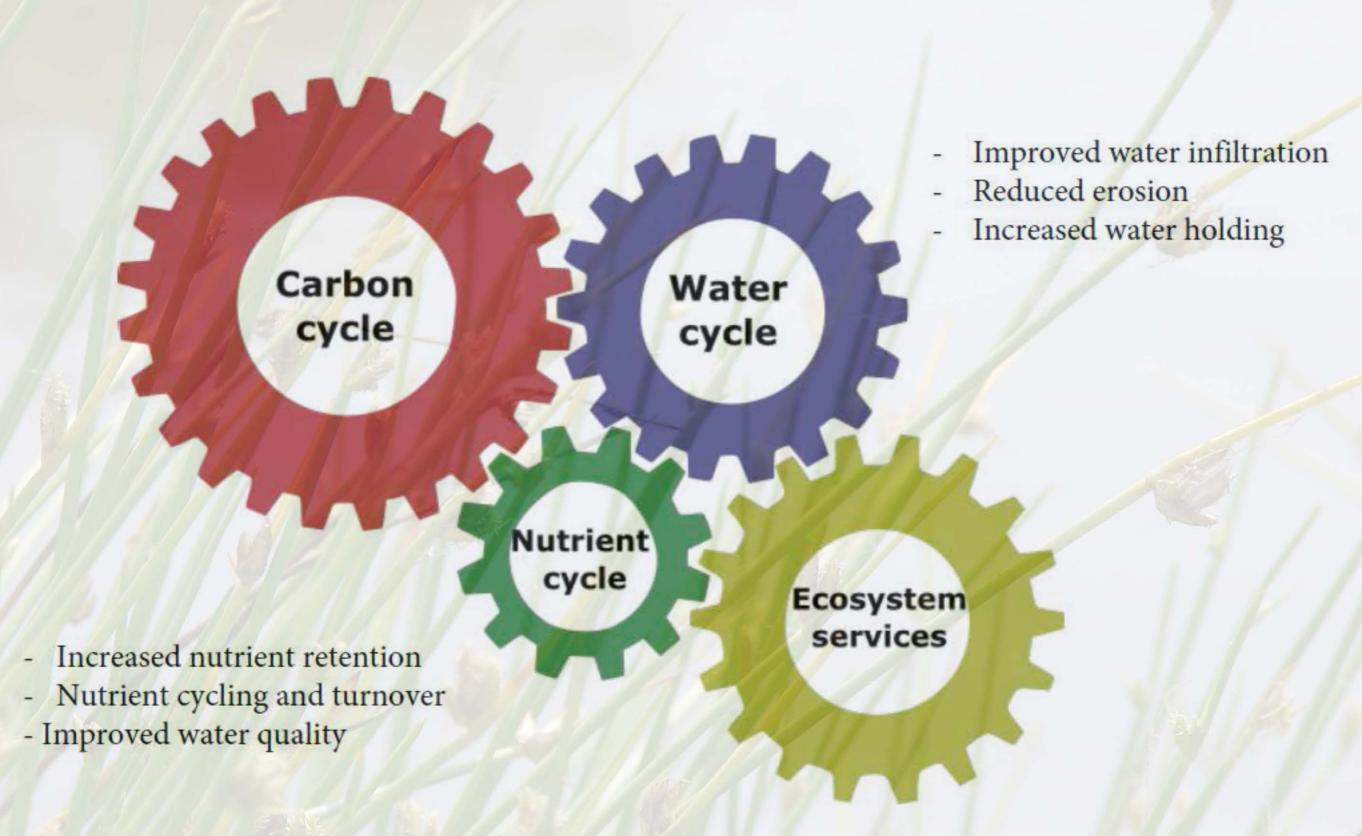


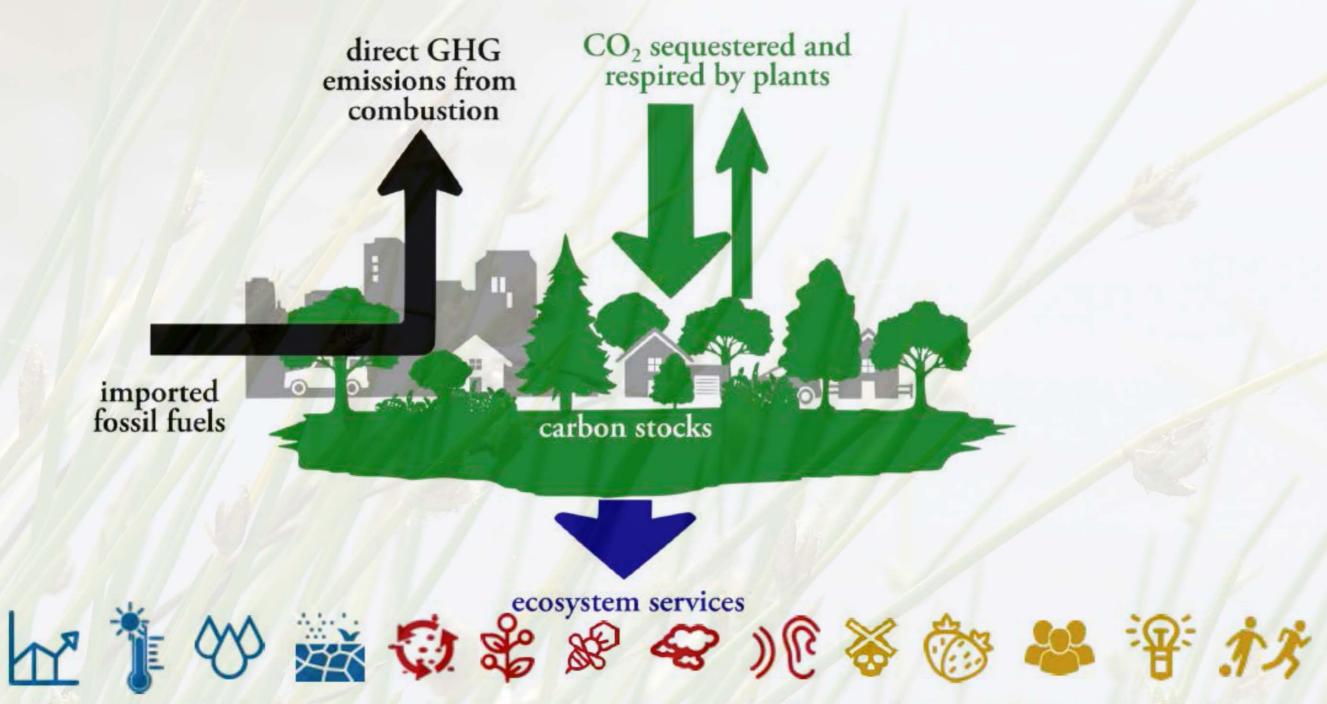
FOCUS OUR
MAULISLANDS
NULOUS FUTURE

FINAL REPORT

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		s and surveys		Co proce document and have not aftered or reworded in any way. After initial review i will customize if Resili		&CH illience	Focus Maul	CoM General
r Maui's	Resilience Str	ategy	ne so	Does this still apply? Put an "x" if this should be included in the COM RS	ui St	rategy 2019	Nui 2003	Plan 1990?
lalama Ka	naka (Necessi Rer GOAL 1	tles: Food, Water, Sh Supporting Afford		Income)		X	2003 X	19907
MN2005	Goals 3	Addressing Infrastr		e Challenges, especially Transportation and Housing		^	^	
	Rer GOAL 1 Rer GOAL 1	Suppor Action 1 Suppor Action 2		Reduce Empty Homes and Increase Affordable Housing Funding Return Illegal Vacation Rental Units to Local Housing		X		
LCH RS	Rer GOAL 1 Goals 4	Suppor Action 3 Address Priority 3		Develop Alternative, Affordable Housing Options for O'ahu Residents		X	x	
	Rer GOAL 1	Suppor Action 4		Make housing accessible by providing affordable alternatives to all families Expand Affordable Housing Funding by Implementing Progressive Property Taxes		x	X	
	Rer GOAL 1 Rer GOAL 2	Suppor Action 5 Reducing Addition		Implement a Guaranteed Security Program to Support Local Home Ownership t Burdens		X X		
&CH RS	Rer GOAL 2	Reducir Action 6	-	Expand Housing and Energy Transformation by Accelerating the Permitting Process		x		
BCH RS BCH RS	Rer GOAL 2 Rer GOAL 2	Reducir Action 7 Reducir Action 8		Reduce Utility Costs for Residents through Transparency and Disclosure Increase Housing Affordability by Reducing Parking Requirements		X		
	Rer GOAL 3 Goals 4	Improving Econon	nic Op	portunity		X		
AR WG	Goal 3	Strengthening the Industry	Econo					
	Rer GOAL 3	Improv Action 9 Improv Action 10		Foster an Innovation Economy through the City's Office of Economic Development Promote New Agricultural Models for Economic and Food Security		X	x	
AR WG	Goal 13	Other OTHER		Imporving economic opportunites		^		
AR WG	Goal 3 Goal 4	Resilien Priority 3 Industr Priority 5		Food security including ReGen Farming (and other TBD) Tourism				
AR WG	Goal 5	Industr Priority 9		Diversification				
AR WG MN2003	Goal 6 Goals 7	Industr Priority 10 Recom: Molokai	-	Agriculture Create jobs to provide more and better career options for local residents			Molokai	
MN2003 MN2003	Goals 5 Goals 2	Strengt Priority 6 Improv Priority 1		Strengthen the economy by diversifying the economic base and taking steps to address the high cost of living Strengthen and improved education, kindergarten through college, for all students			x	
MN2003	Goals 5	Address Priority 4		Take action to assure an adequate water supply to provide quality fresh water for our population today and in			X	
MN2003 MN2003	Goals 8 Goals 1	Recom: Molokai Improving Educati		Address substance abuse and ennsure safety through programs that reduce drug use and alcoholism and prom	note strong	communi	Molokai	
MN2003	Goals 9	Recom: Lanai		Provide better serices for youth and children, such as after-school programs, early education, and teen pregna	ancy presve	ntion	Lanai	
MN2003 KR WG	Goals 10 Goal 15	Recom: Lanai Other OTHER		Promote residence's health and take steps to ensure all have access to healthcare Teleconferencing			Lanai	
onua Mo	mona (Bemer	nts: Ocean, Land, Clin	nate)			X		
MRH		Action 2 Action 1		New Layer in Zoning Code, title 19, relating to water Package CIP projects together as resiliency projects (when presenting to the council) and/or creating star > The council is a council or creating star in the council is a council or creating star in the council is a council or creating star in the council is a council or creating star in the c				
MRH		Action 3 Action 4		Identify opportunities/consider Green, Blue, Grey infrastructure Crosswalk County plans for opportunities to leverage Budget/time/capacity etc.				
MRH		Action 4 Action 5		Crosswalk County plans for opportunities to leverage Budget/time/capacity etc: Explore Cost avoidance, cost of inaction, integrate cascading impacts, affects on people 3				
MRH		Action 6		Planning for resiliency integration into All Hazards Mitigation Plan				
MRH		Action 8		Consider Vulnerability Study for DEM facilities Climate Action Plan D	Č			
MRH		Action 9		Amending 205A, no building in historic area				
MRH MRH		Action 10 Action 11		Highways Division, Coastal Study (already flunded) Committed to renewable energy goals for public transportation by 2035 and electric buses				
MRH		Action 12		Consider Opt-Out programs				
MRH	Box GOAL 1	Action 13 Pre-Disaster Prepa	ration	Land use design guides		x		
	Box GOAL 1 Box GOAL 1	Pre-Dis Action 11 Pre-Dis Action 12		Protect Lives and Property by Updating Building Codes Launch Residential Hurricane Retrofit Program to Strengthen Properties Vulnerable to Hurricanes		X X		
CH RS	Box GOAL 1	Pre-Dis Action 13		Increase Flood Insurance Affordability for O'ahu Residents		X		
ICH RS	Box GOAL 1 Goal 5	Pre-Dis Action 14 Resilien Priority 14	H	Establish Future Conditions Climate Resilience Design Guidelines Resilience Hubs		X		
IR WG	Goal 12 Goal 16	Other OTHER		Warning systems				
IR WG	Box GOAL 2	Other OTHER Effective Disaster F	lespor	Shelters/shelters in place (work, delivery) se		x		
IR WG	Goal 18 Goal 6	Other OTHER Resilier Priority 15		Effective Disaster Response Disaster Response, Successful disaster recovery				
AR WG	Goal 17	Other OTHER		Mitigating panic shopping, hoarding, price gouging				
	Box GOAL 2 Box GOAL 2	Effectiv Action 15 Effectiv Action 16		Develop a Network of Community Resilience Hubs Establish an O'ahu Emergency Food Supply and Storage Strategy		X		
	Box GOAL 2 Box GOAL 2	Effectiv Action 17 Effectiv Action 18		Ensure Access to Fuel Supplies to Ald Disaster Response and Recovery Increase O'ahu's Preparedness Utilizing Scenario Modeling and Artificial Intelligence		X		
	Box GOAL 3	Successful Disaster	Reco	very		X X		
	Box GOAL 3 Clir GOAL 1	Success Action 19 Clean Energy Econ	omv	Develop and Implement a Long-Term Disaster Recovery Plan for O'ahu		X X		
AR WG	Goal 1 Goal 2	Fossil Fuel Reducti Fossil Fi Priority 1	on					
	Clir GOAL 1	Clean E Action 20		Renewable (solar, wind, geothermal, biogas) Reduce Taxpayer Expense and Increase Renewable Energy through a City-Wide Energy Performance Contract		x		
ICH RS	Clir GOAL 1 Goal 14	Clean E Action 21 Other OTHER		Establish an Energy Benchmarking Standard for O'ahu Commercial Buildings Retrofitting		X		
R WG	Goal 3	Fossil Fi Priority 2		Building (insulation, building codes, building design, net-zero, building materials)				
IR WG	Goal 7 Clir GOAL 1	Industr Priority 12 Clean E Action 22	-	Alternative Cements District Cooling: Tap the Ocean to Cool our Buildings		x		
RWG	Goal 8	Industr Priority 13	F	Alternative refrigerants, refrigerant management				
RWG	Clir GOAL 1 Goal 4	Clean E Action 23 Fossil Fi Priority 7		Expand Opportunities for Methane Capture and Re-Use Energy (waste to energy, wheeling, microgrids, storage)		x		
RWG	Goal 8 Clir GOAL 2	Other OTHER Clean Ground Tran		Biochar		v		
/N2005	Goals 3	Addressing Infrastr	uctur	e Challenges, especially Transportation and Housing		•		
	Clir GOAL 2 Clir GOAL 2	Clean G Action 24 Clean G Action 25		Expand Electric Vehicle Charging Infrastructure Island-Wide Accelerate Carbon-Free New Mobility Options		X X		
AR WG	Goal 6	Fossil Fi Piority 11 Clean G Action 26		Public transportation, multipodal transportation Ensure Equal Access to Sustainable Transportation Options and Cost Savings				
	Goals 6	Address Priority 5		Improve transportation by working to reduce traffic, improve roads, and/or adopt public transportation		^	x	
CH RS	Clir GOAL 2 Goal 5	Clean G Action 27 Fossil Fi Priority 8		Transform the City's Public Fleet to 100 Percent Renewable Fuel by 2035 Electric/biodiesel/hybrid vehicles)		X		
ICH RS MN2003 ICH RS		Climate Resilient F	uture			X		
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When carbon stocks are increased by strategic management of natural assets, GHG emissions decrease, sequestration increases, and the provision of ecosystem services is enhanced.

Climate Regulation & Resilience



Climate regulation



Temperature moderation



Water flow and retention



Soil health & erosion prevention

Social Benefits



Reduced toxins



Food supply



Cultural & aesthetic values



Education & cognitive development



Recreation, mental & physical health

Environmental Services



Nutrient cycling & management



Biodiversity & habitat



Pollination & biological pest management



Air purification



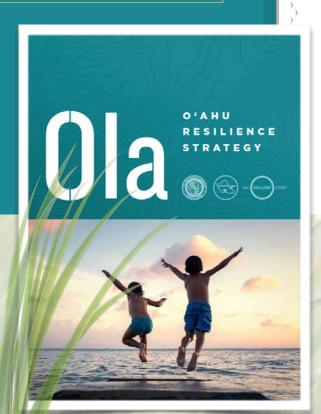
Noise reduction



How to Read Action

The Resilience Strategy includes four pillars, 12 goals, and 44 actions for our community, partners, and the City to implement.

Pillars → Goals → Actions



ACTION DESCRIPTION

Each description presents specific policies or programs the City and its partners will deploy to help achieve resilience goals, as well as important context that explains why the Action is needed.

► GOAL 2: Clean Ground Transportation



Accelerate Carbon-Free New Mobility Options

▶ The cost of transportation is 34 percent higher for O'ahu residents than the national average. Micromobility has the potential to vastly reduce transportation expenses and greenhouse gas pollution on O'ahu. In 2017 there were 786,382 registered vehicles for Honolulu's driving-aged population of 781,033. This $collection\ of\ cars, vans, pickups\ and\ other\ trucks, and\ motorcycles\ and\ mopeds\ outnumbers\ the\ amount\ of\ cars, vans, pickups\ and\ other\ trucks, and\ motorcycles\ and\ mopeds\ outnumbers\ the\ amount\ of\ cars, vans\ pickups\ and\ other\ trucks, and\ motorcycles\ and\ mopeds\ outnumbers\ the\ amount\ of\ cars, vans\ pickups\ and\ other\ trucks, and\ motorcycles\ and\ mopeds\ outnumbers\ the\ amount\ of\ cars\ pickups\ and\ pickups\ and\ other\ pickups\ and\ p$ people who can operate them. More than 80 percent of these vehicles are single occupancy vehicles (SOVs) and approximately 90 percent gasoline-powered. For local commutes, 67 percent of commuters drive SOVs, while 14 percent carpool, 7 percent use public transit, 5 percent walk, 5 percent work at home, and 4 percent use other means of travel. Due to our island geography, land-use patterns, and concentration of jobs in the primary urban core, the proliferation of SOVs leads to traffic congestion and commute times that are among the worst in the nation. Ground transportation produces 20 percent of our greenhouse gas pollution on island. This takes a toll not only on our quality-of-life, health, and well-being, but also on our wallets.

To address these issues, the City is committed to Transit-Oriented Development along the new 20-mile 21-station rail transit system, and aims to develop a Carbon-Free Corridor to maximize clean and sustainable new mobility options for residents and commuters. The City will:

- · Convene a New Mobility Working Group to implement a network of clean and sustainable micromobility options such as e-scooters, bike share, car share, and other dockless technologies. • Identify opportunities to increase service in areas that would result in significant reductions in
- personal vehicle use, as well as improved transit access to high-need populations (e.g., based on age, economics and equity)

The Administration will develop a transportation demand management policy which will include providing the providing property of the providing providing transportation of the providing providingsions for carpool/vanpool and bicycle parking, trip reduction plans, and transit-supportive infrastructure $development. The {\it City will implement TOD strategies that require developers to provide connectivity and}$ streetscape improvements in return for bonus height and density waivers. The City will develop a single transit "wayfaring app" to simplify route choice as well as a tap card to facilitate payment and transfers across all modes of transit. The City will also increase the amount of protected bike lanes by 40 percent over the next four years, which will serve as a safe conduit for not only bikes but multiple new micromobili

Co-Benefits +

Implementing new mobility options will improve affordability and reduce greenhouse gas emissions by providing zero emission low-cost transportation as a viable alternative to fossil-fueled SOVs. It will save time for residents by reducing congestion and time searching for parking; improve air quality, health and well-being; and re-connect communities with each other and our island home. It will empower residents and improve our economy by conveniently and affordably connecting housing to job opportunities, especially in our primary urban core.

Lead & Implementing Partner(s)

Department of Transportation Services, DDC, DFM, DIT, DPP, HART, Resilience Office, Elemental Excelerato

Aloha+ Challenge CLEAN ENERGY

RESILIENCE CO-BENEFITS

multiple shocks and stresses.

Demonstrates how the action has multiple benefits

to make O'ahu stronger and better able to withstand

CLIMATE ACTION SUSTAINABLE CITIES AND COMMUNITIES

Performance Metrics -

- Increased public transit mode share
- · Increased number of bus passes/Holo passes
- Reduced commute times and congestion



Implementation partners include key public, private, nonprofit and civic collaborators that will advance the Resilience Strategy actions in the years ahead. Partnership is not exclusive and meant to be a starting point. The lead agency or partner spearheading the action is in bold. As presented in the Resilience Strategy, partners currently only represent government agencies and organizations represented on the Steering Committee. We look forward to more partner collaboration ahead!

TIMEFRAME

The timeframe for implementing each action is identified as Immediate (0-1 years), Shortterm (1-2 years), Mid-term (2-5 years), and Long-term (5+ years).

ALOHA+ CHALLENGE

The Aloha+ Challenge sustainability goal(s) that aligns with this action.

For more information, visit aloha-challenge. hawaiigreengrowth.org

UN SUSTAINABLE DEVELOPMENT GOALS

The United Nations Sustainable Development Goal(s) that aligns with this action. For more information, visit sustainabledevelopment.un.org/sdgs

MEASURES OF SUCCESS

Quantitative ways to measure progress toward the goal, which can be measured on a regular basis.

SPOTLIGHT

A global or local example, or an idea that can further resilience on O'ahu.

Pillars → Goals → Actions

*Pillars = Piko

MALAMA KANAKA

FOOD, WATER, HOUSING, CAREER OPPORTUNITY

MALAMA HONUA

EARTH PROCESSES: CLIMATE ACTION POLICY & PLANNING

MALAMA OLA

SELF - CARE, HEALTHY COMMUNITIES, RELIGION AND CULTURAL PRACTICES

PILLAR MALAMA KANAKA

- Land use design guides, minimal standards include LID, Complete Streets, and other triple benefit principles
- 2. Catalyze the construction and retrofit of healthy resilient zero-carbon buildings
- 3. Invest in ecosystem regeneration access
- 4. Promote circular economy pathways
- 5. Affordable Housing buy back program (to keep Affordable Housings affordable), addresses loophole in the system
- 6. 1st time homebuyers program (highlight this program and seek matching funds from OHA, build out partnership with DHHL, developers)
- 7. Agriculture Housing (build program for farmers to live on farm, tiny homes. Identify solutions with Planning to deter gentlemen's estates... does this need stricter policies for enforcement, guidance for how to accomplish tiny home community, water and sewage options)

PILLAR MALAMA HONUA

- 1. 100% Water Reuse (Starting in West Maui)
- 2. Accelerate an equitable transition to clean energy sources
- 3. CIP projects based on Resilience Standards
- 4. Manage climate and environmental risk and reduce exposure disparities through land use and infrastructure development policies and code updates. (Code amendments that integrate resiliency standards example: Amending 205A, no building in historic area or SLRX-A+ (we can do better). Overlay Districts, new layer in Zoning Code, title 19 relating to water, etc)
- 5. Identify opportunities/consider Blue, Grey, Green infrastructure
- 6. All Hazards Mitigation Plan, integrate climate change and resilience (ongoing)
- 7. County Wide Vulnerability Assessment
- 8. Climate Action Plan
- 9. Paperless Policy for County Operations (Federal Memorandum M-19-21)

PILLAR MALAMA HONUA

- 10. Committed to renewable energy goals for public transportation by 2035 and electric buses
- 11. County Fleet Electrification
- 12. Siting of Renewable energy project with respect to culturally important resources, low income populations, and natural resources (Important Ag lands and wetlands)
- 13. Use of Native Plants in Public Landscaping, update Noxious Weed List (Act 233 SLH 2015 (HB 206 HD2, SD1, CD1): SECTION 2)

PILLAR MALAMA KANAKA

- 1. All government documents available in 'Ōlelo Hawaii
- 2. Upgrade broadband access and reliability for under-served populations
- 3. Develop satellite kitchens and school farms for Farm to School produce. (Problems DOE procurement policies Solutions 1) Satellite restaurants will prepare farm fresh food, they work with local farmers so cafeterias are received of this burden and satellite kitchen can buy food locally 2) Designate farms that already host students at their farms for curriculum as "School Farms". These farms can then provide produce directly to the school for inclusion in school meals)
- 4. Accelerate the transition to clean, accessible and equitable mobility systems
- 5. Riparian Buffer Zones and setbacks. Green corridors and access to auwai
- 6. Resilience Hubs

ACTIONS RESILIENCE HUBS

EDA Grant

- Economic or Opportunity Zone
- Hana, Molokai,
 Wailuku, Moloka'i
- Community needs identified by the community

O'AHU RESILIENCE HUBS Help Prevent the Spread of COVID-19 in Hawai'i Personal protective equipment (PPE) donations are being accepted during listed times for each location. Behavioral health workers and social service providers across the state should visit bhhsurg.hawaii.gov to make a request for donated PPE. Sorry, no walk-in requests at the Resilience Hubs are accepted at this time. KEY Project 47-200 Walhee Road Kalihi YMCA 1335 Kalihi Street

Honolulu, HI 96819

Hours: Mon - Fri, 9:00 am - 11:00 am



Käne'ohe, HI 96744

Hours: Mon - Fri, 9:00 am - 12:00 pm

Ewa Beach, HI 96706