



Crossing the Islands: Lessons and Actions in State and County Climate Planning

HCPO 2024

Session Overview



Approaches to GHG Mitigation & Climate Adaptation (30 minutes)



Panel Discussion: Impact & Lessons Learned (30 minutes)



Audience Questions and Discussion (30 minutes)





Four County Sustainability Network

MISSION

The Four County Sustainability Network (4CSN) is a collaborative of county sustainability staff in the state of Hawai'i that strives to transform local government in support of equitable, sustainable, and resilient communities.

EXAMPLES

- **Connections & Capacity:** Climate Mayors; Urban Sustainability Directors' Network (USDN); VISTA program
- **Policy:** Mayors' commitment to 100% renewable energy in the transportation sector by 2045
- **Advocacy:** VW settlement funds for greening mass transit

Meet our Panelists



Ron Whitmore, Moderator, Raimi + Associates



Udi Mandel, State of Hawai'i Climate Change Adaptation and Mitigation Commission



Alexander Yee, City and County of Honolulu Office of Climate Change, Sustainability and Resiliency



Kendra Obermaier, County of Hawai'i Office of Sustainability, Climate, Equity, and Resilience



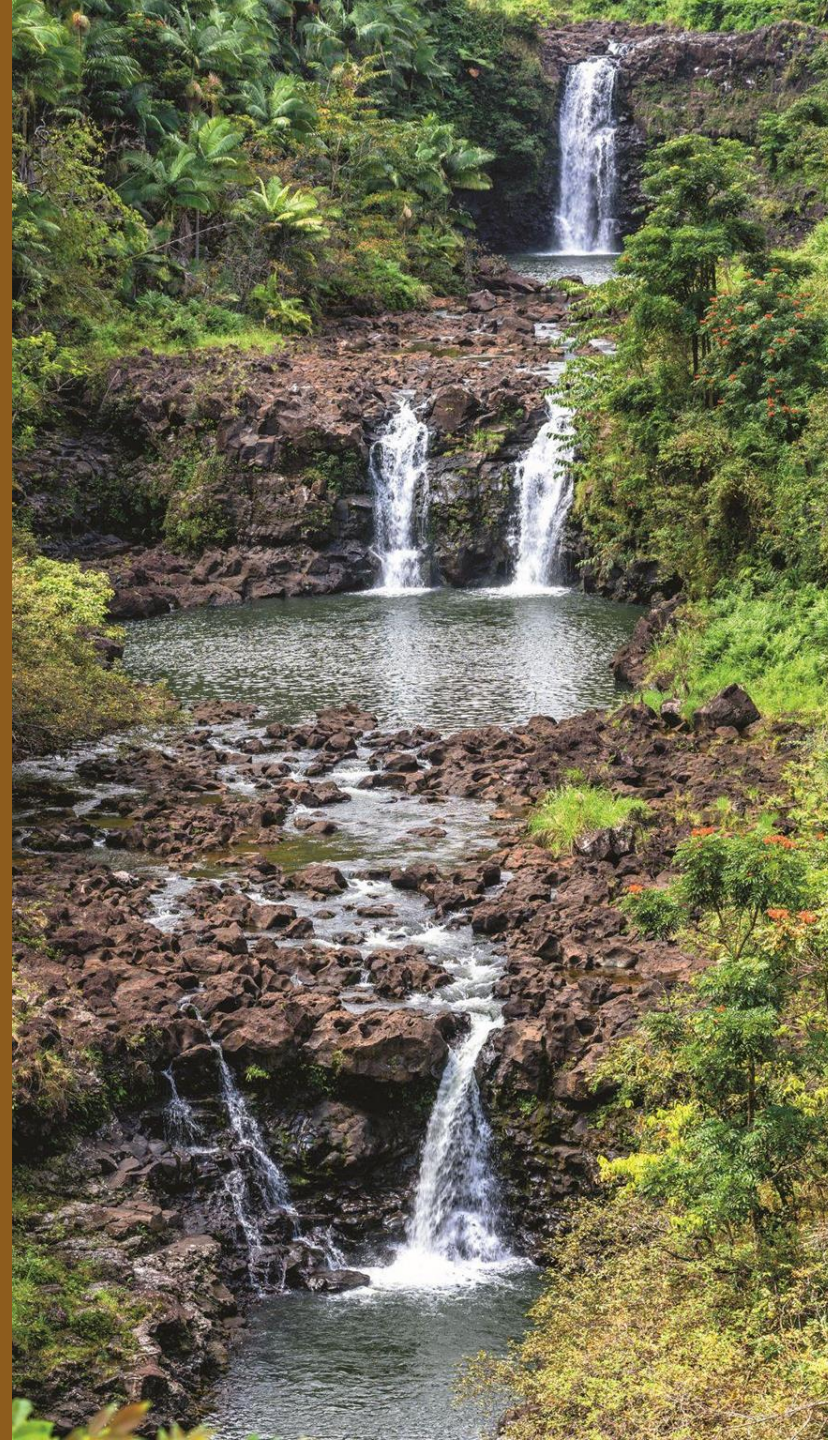
Joshua Cooper, County of Maui Office of Innovation & Sustainability



Ana Española, County of Kaua'i Office of Economic Development

County of Hawai'i

Office of Sustainability, Climate,
Equity & Resilience (OSCER)



Integrated Climate Action Plan for the Island of Hawai'i

*Climate Mitigation
and Adaptation
for Community
Resilience in a
Changing Climate*



-

Key Planning Activities	2021	2022	2023
Greenhouse Gas Inventory	[Active]	[Active]	
Risk & Vulnerability Assessment		[Active]	
Working Group Development & Facilitation	[Active]	[Active]	[Active]
Community Sentiment Survey		[Active]	
Cascade Framework		[Active]	
Action & Implementation Strategy Development		[Active]	[Active]
Interdepartmental Engagement			[Active]
Technical Review			[Active]
Draft ICAP Public Review			[Active]
Finalize & Adopt ICAP			[Active]

Integrated Climate Action Plan

Climate Cascades Framework:

1. Greenhouse Gas Emissions
2. Air and Sea Surface Temperature
3. Drought and Severe Rainfall
4. Sea Level Rise
5. Tropical Cyclones & Storm Surge

Intervention Point:

ex: Energy & Electricity Use

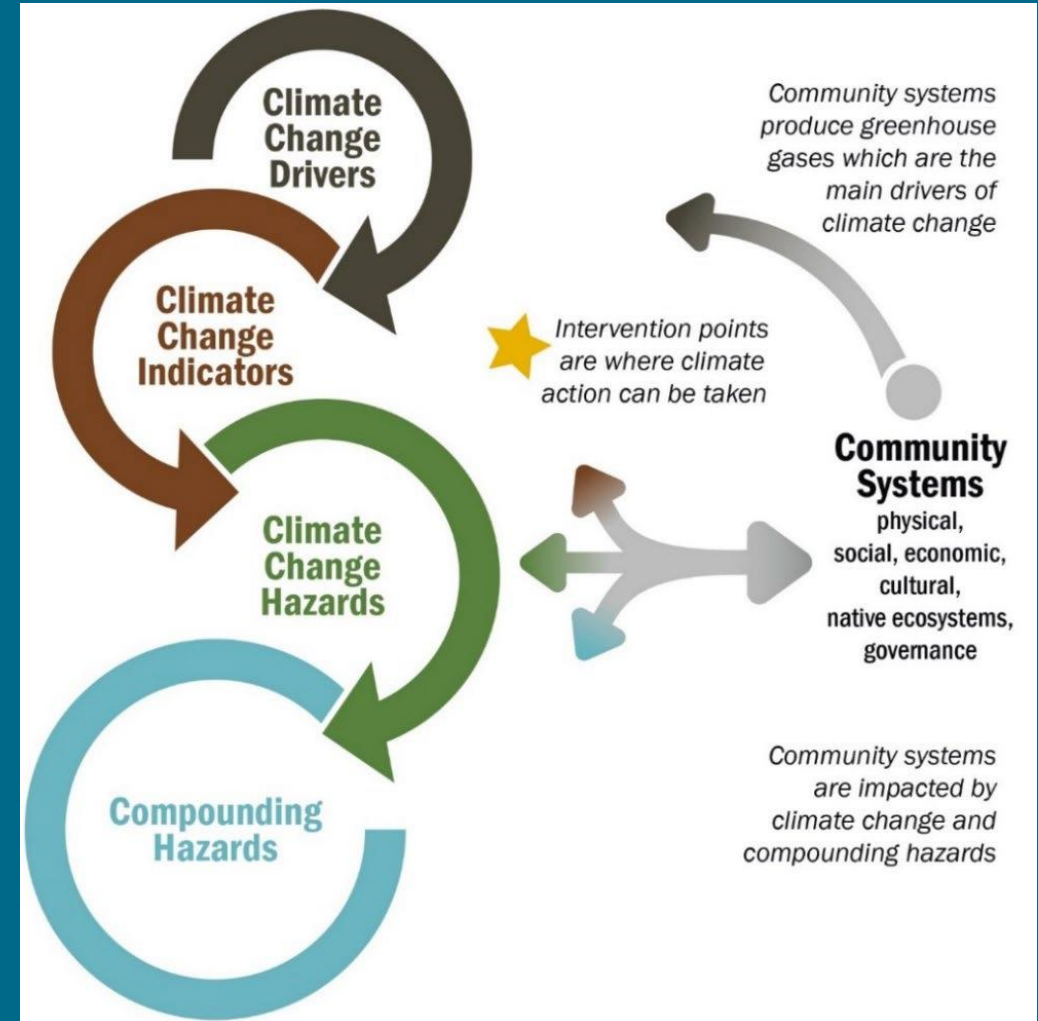
Strategy:

ex: Reduce energy cost of municipal water supply

Action:

ex: Install new hydroturbine at Waimea Water Treatment Plant

Cascade Framework:



Implementation & Impacts



IMPLEMENTATION PRIORITIES

SHORT-TERM 2023 - 2025

- Establish a centralized coordinating authority to oversee action implementation ✓
- Establish regular stakeholder engagement ✓

MID-TERM 2025 - 2030

- Integrate climate change risk into County planning and decision-making
- Establish a County climate database
- Maintain robust stakeholder engagement

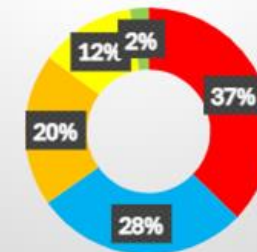
LONG-TERM 2030 - 2040

- Update the General Plan using lessons learned from climate action implementation
- Support place-based management of Hawai'i Island lands and waters as part of climate action efforts

Next Steps:

- Implemented short-term priorities, including establishing OSCER office
- Building community relationships for ongoing partnerships & eventually community-based CAP
- Monitoring progress (34% actions have been started or completed)
- Integrating work into larger efforts to build County capacity

Progress Snapshot



Priority Color List

- Red- Top Priority (Not Started)
- Blue- Low Priority (Not Started)
- Orange- Started (Not Completed)
- Yellow- Ongoing
- Green- Completed

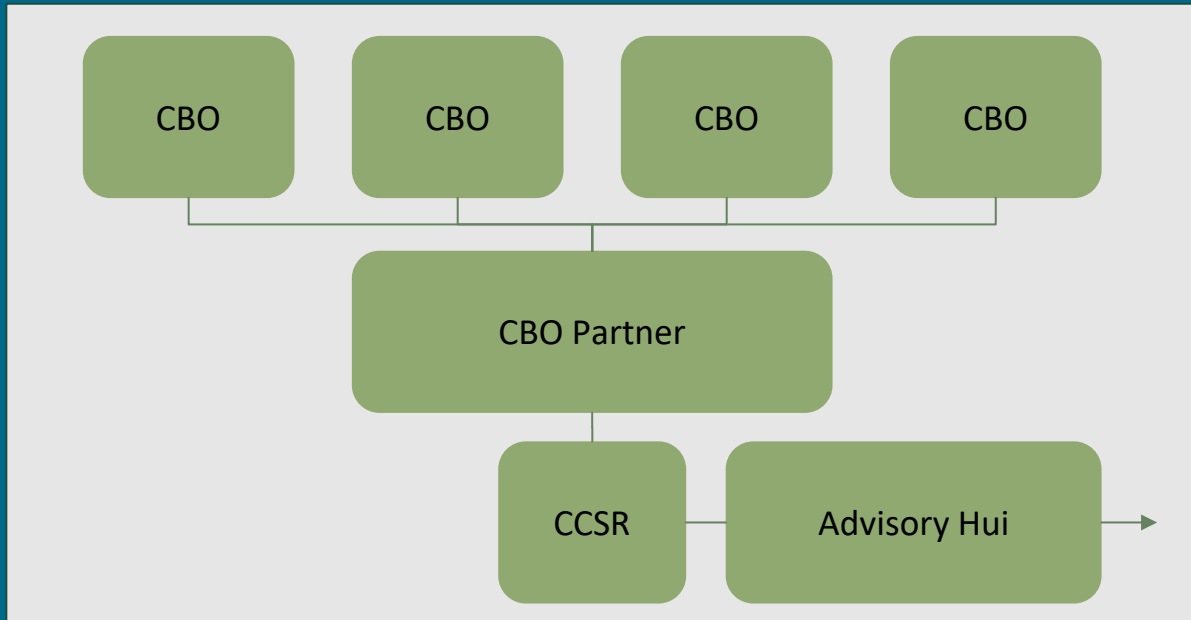


City and County of Honolulu

Office of Climate Change,
Sustainability and Resiliency



The Planning Approach



- Separate plans for GHG mitigation and adaptation
- Planning Principles for both:
 - Community Centered
 - CBO-partnered outreach
 - Community Advisory Hui/Project Review Body
- Integration of cultural practitioners through CBO process



The Plans

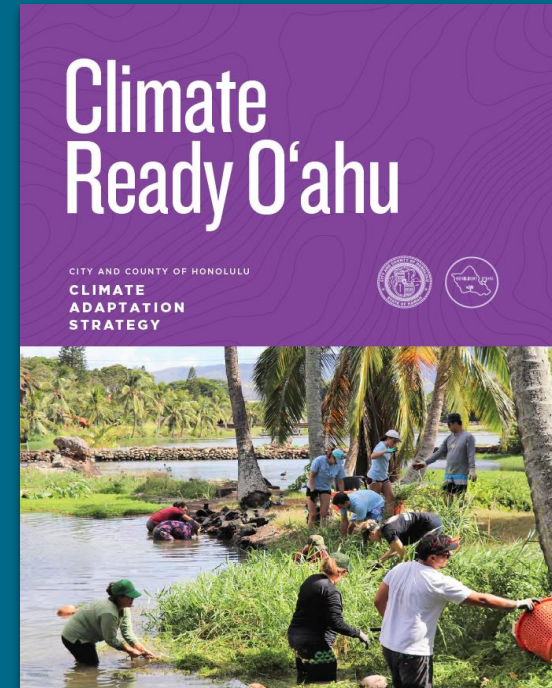
In common:

- Audience = community; Users = City (and community)
- Policy Plans for the entire City, All Depts Implement, Workplan for CCSR



Adopted June 3, 2021*
*Update in progress

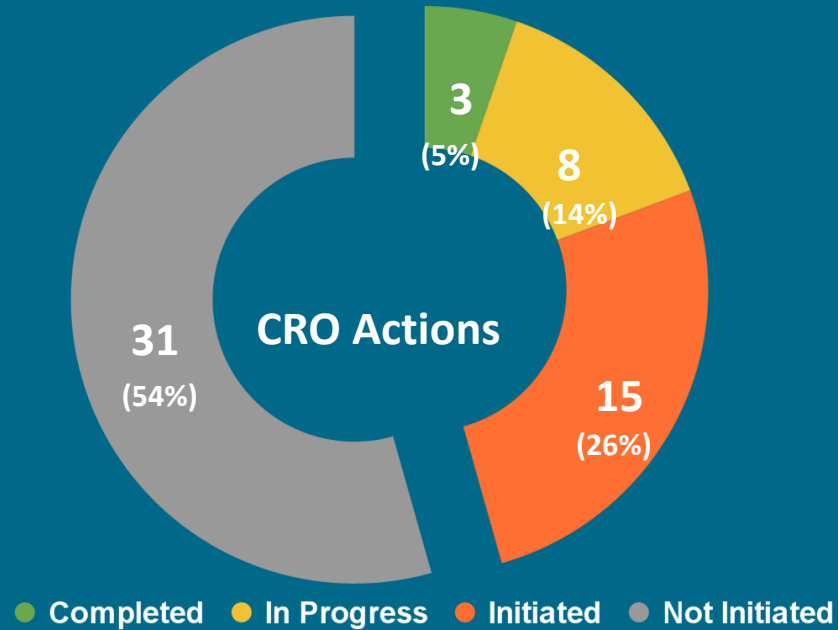
- Required by Ord.
- Focus Areas:
 - Transportation
 - Renewable Energy Generation
 - Efficient Buildings
 - Waste
 - Food Systems
 - Land Use
 - Healthy Ecosystems



Adopted February 28, 2024

- Called for in O'ahu Resilience Strategy
- Focus Areas:
 - Sea Level Rise
 - Heat
 - Drought & Wildfire
 - Flash Flooding
 - Hurricanes

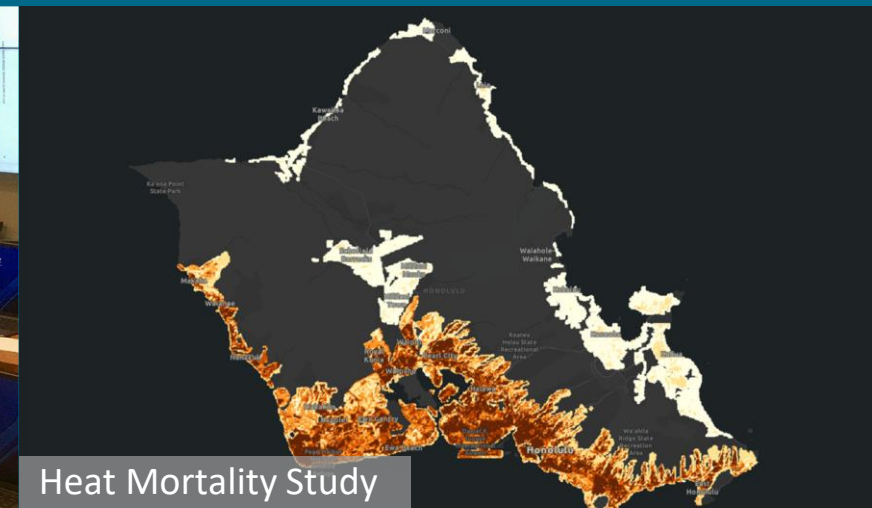
Implementation & Impacts



- **Climate Ready O'ahu - Implementation In Progress**
 - 45% actions initiated or in progress since adoption in Feb. 2024
 - CBO Partnerships deepening with Climate Champions Program (Action 2.1)
 - Supported by EPA Grant, funding 6 CBOs, 8 Champions
 - Climate Financial Risk Study project launched
- **Climate Action Plan - Update Underway**
 - Supported by EPA Grant
 - Reframing City climate action for community benefits
 - Contracting CBOs for place-based engagement



Climate Change Design Guideline Training



Heat Mortality Study



County of Kaua'i

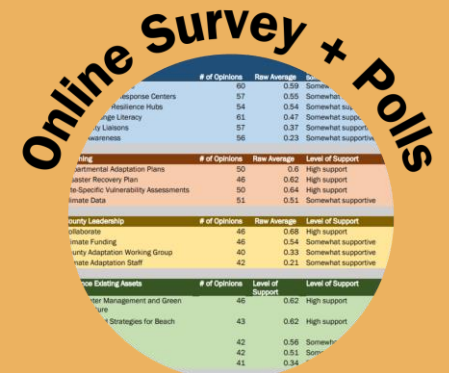
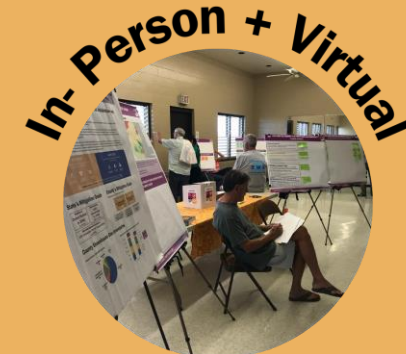
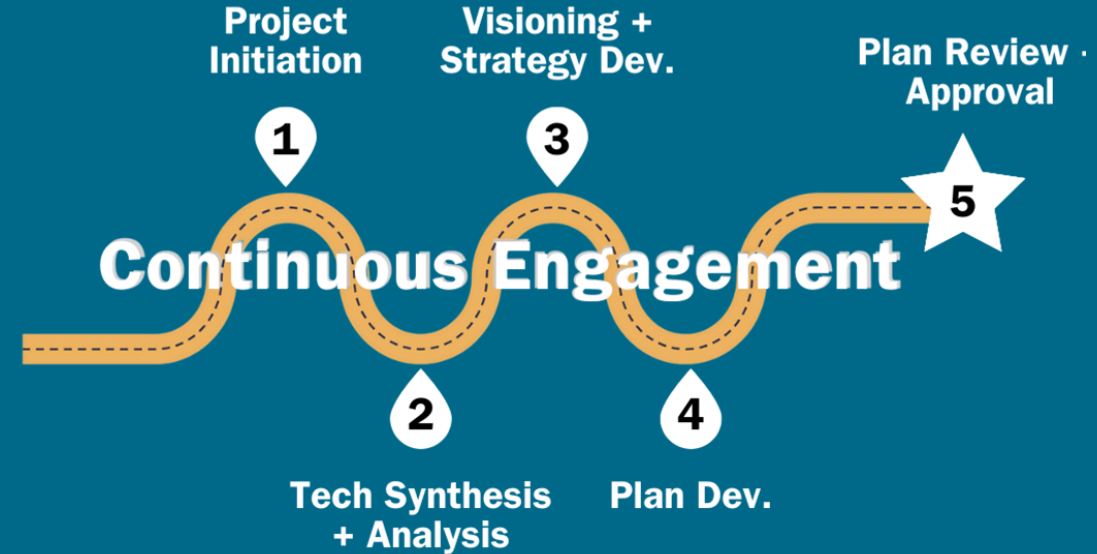
Led by the Planning Department
Supported by County's Resilience Team



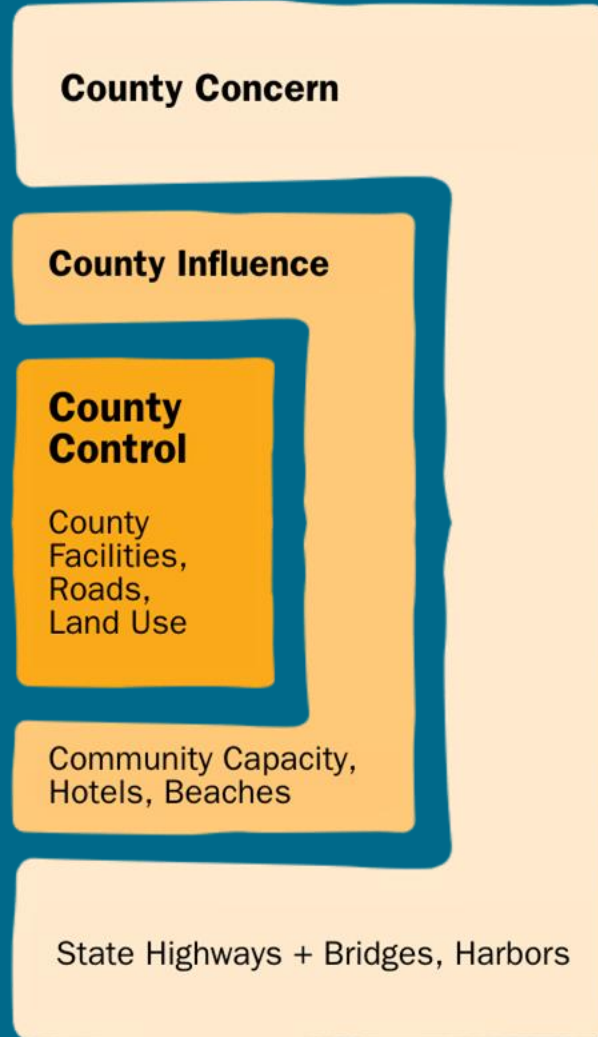
The Planning Approach

- **Integrated Approach**
 - Adaptation: Enhance bond ratings
 - Mitigation: Added after public feedback
- **Extensive Community Engagement**
 - Interviews, talk stories, virtual and in-person workshops, focus groups, community surveys, department and agency check-ins
- Native Hawaiian Practitioner Meetings

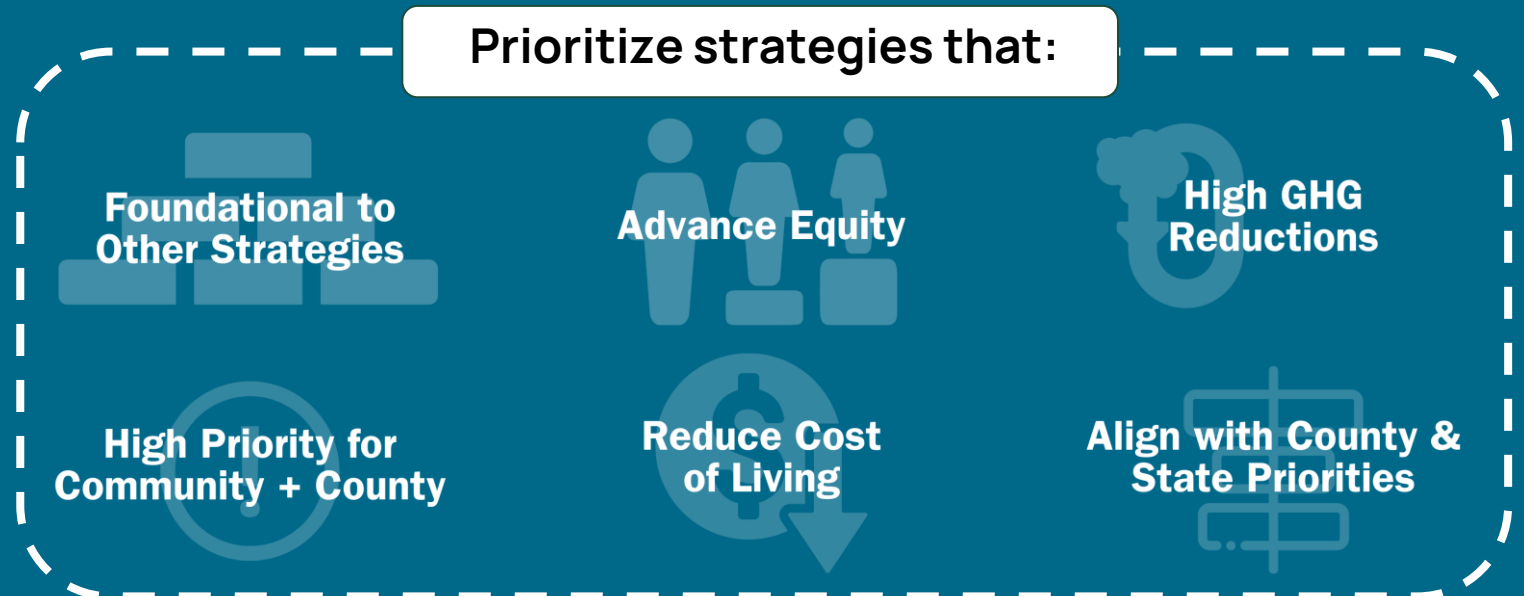
FIVE PHASE PROCESS



Climate Adaptation & Action Plan



- **Scope:** Focuses on actions within County's control
- **Relation to Other Plans:** Implements and consolidates existing policies from County Plans (i.e. General Plan, Integrated Solid Waste Management Plan)
- **CAAP Structure:**
 - Public-facing sections
 - Internal: Detailed strategies for County departments

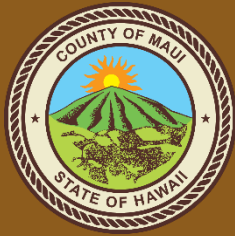




kauaiadaptation.com

Implementation & Impacts

- Draft CAAP for public review end of 2024
- 21 County “Division Action Plans” to easily integrate and implement
- Explore e-plan software for tracking and implementation
- Ongoing Engagement



County of Maui

Office of Innovation and Sustainability





Continuing Conversations & Shaping Strategies

Integrated Approach

- Mitigation
- Resilience
- Adaptation

Layers of Learning with Multiple Circles of Considerations

Kanaka Maoli Agreement with our Aina

Continuous
County &
Community
Conversations

Emerging
Environmentalists
Engagement

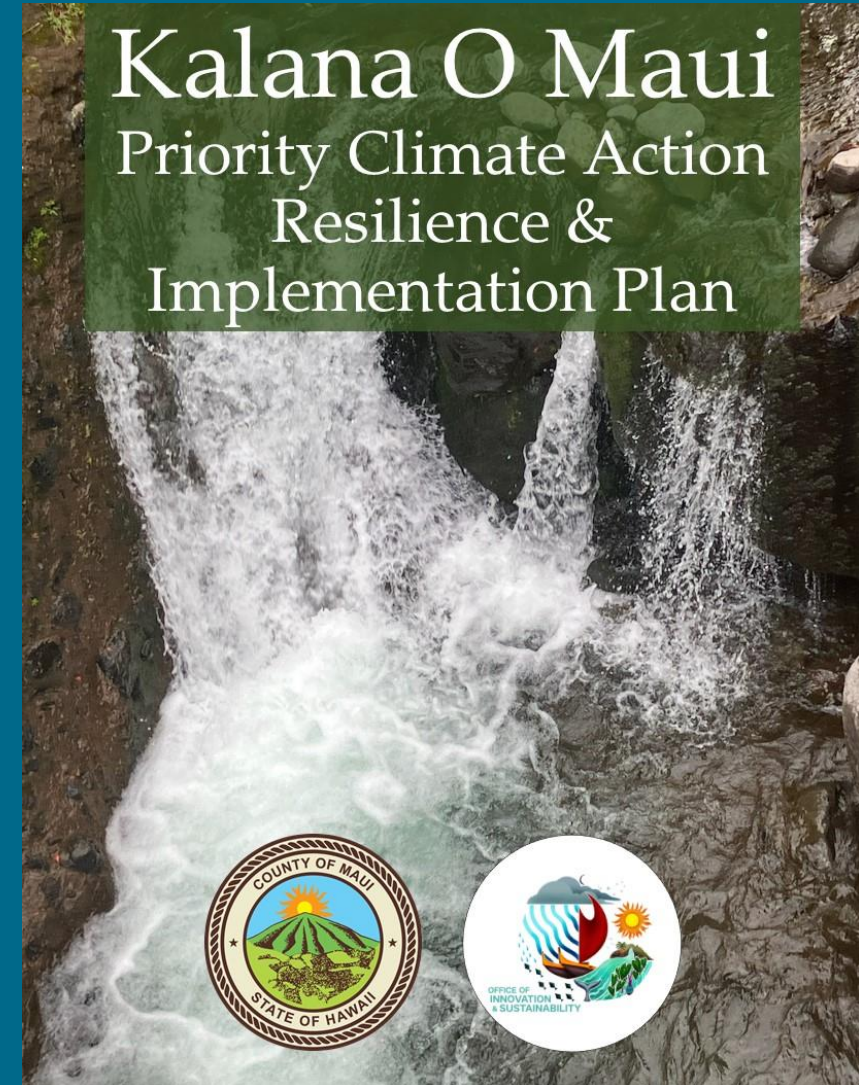
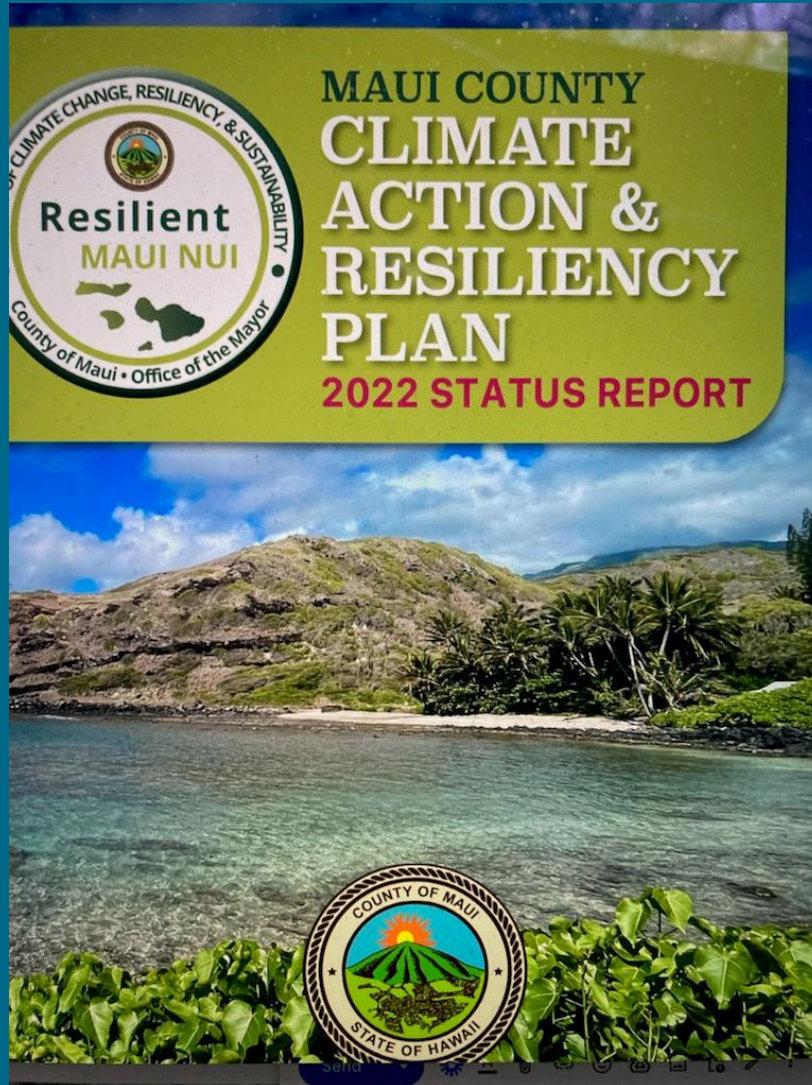
Sustainability
Strategists &
Scholars

Climate Justice
Juxtaposition
among Peers
'Round Planet

Ka Hui Aloha
Aina
&
Na Hoa Aina
Kuikahi

Office of
Innovation &
Sustainability
Input

From Draft Plan to Priority Implementation



Climate Ready Maui Nui Action Plans

Resilience Hubs



State of Hawai'i

Climate Action Pathway



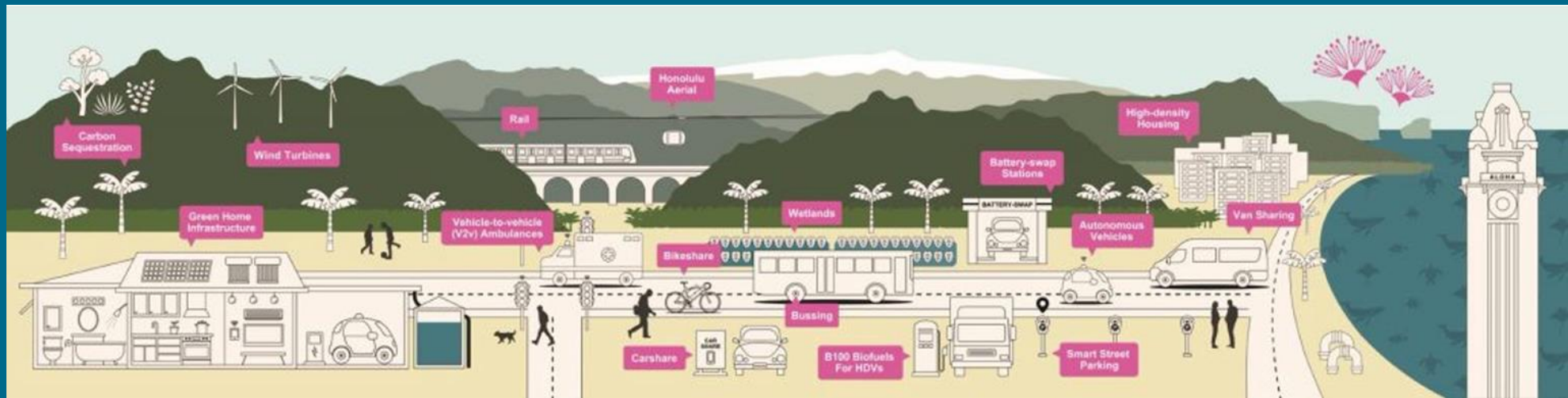
State of Hawai'i Climate Action Pathway

- Map out actions to reduce GHGs by 2030, 2045 and beyond.
- Identify substantial community benefits including:
reducing cost of living through energy efficiency and improved public transportation, waste reduction and diversion, natural resource restoration, enhanced local food production and the reduction of fire risk.



Overall Principles of Climate Action Pathway Methodology

1. Co-designed with State, Counties, non-profit sector, and community.
2. Emphasis on equity and including and supporting Low Income and Disadvantaged Communities.
3. Going beyond a planning document to an actionable and achievable tool that orients policies and practice towards Climate Action for a Resilient Hawai'i.



Methodology

1. Technical and Stakeholder Working Groups

- Subjects include: Equity, Sector-specific Issues and Targets, Carbon Accounting, and Circular Economy Perspectives.

2. Project inclusion into CAP and in Grants-to-Projects Bridge.

3. Public and Community Engagement.

4. Online Engagement.

We want your input to guide
Hawai'i's future Comprehensive
Climate Action Plan (CCAP)!



Panel Discussion

Impact
Lessons Learned
Call to Action





Audience Q+A