



OFFICE OF

CLIMATE ACTION, SUSTAINABILITY,
AND RESILIENCY

KE'ENA O HOHOLU

TRIPLE BENEFIT / TRIPLE BOTTOM LINE

ENVIRONMENTAL PROTECTION

PEOPLE AND CULTURE

FISCALLY RESPONSIBLE



LEARNING FROM THE PAST
 INFORMING CURRENT POLITICAL ACTIONS
 PRIORITIZING OUR PEOPLE

Hawaiian Gazette.
 EST MODUS IN REBUS.
 WEDNESDAY, FEBRUARY 9, 1881.

We publish below an authentic list, handed us by the police authorities, of the small-pox cases hitherto discovered. As a rule the cases are very light, and in view of the strenuous efforts the Government are making we may hope that they will be able to stamp the disease out. Precautions have been taken to prevent the spread of the disease over this Island by stationing a guard of each of the following places: Four at Pali, four at Adams' gate, near Koko four at the hill by Maunaloa. A large number of the cases have been removed to the pest house on the reef, but under special circumstances patients have been left in their own houses, and put over them and a strict quarantine is maintained. We feel sure that everything is being thoroughly carried out and that there is no cause for panic. As far as is at present known, the disease district stretches from Kalihi Valley to the coast.

HE KANAWAI NO KA MAI PUUPUU.

AUHEA OE KA PAILOA.
 Ke olole aku nei makou ia oe, mai ee oe maluna o kekahi moku mai Noweki mai, a mai Kalefonia mai, a mai kela aina, keia aina mai hoi. E ninau e oe mamun, i ka mai puupuu, a me na mai lele a pau. A ina i loa ia oe ua mai kekahi o lakou ma na la he 42 manawa ka hiki ana mai, mai ee oe maluna, mai ee kekahi o kou mau malaila, a e olole aku oe i ke kapena e kau i ka hae melemele, (oia ka makou e haawi aku ia oe) ma kahi oioi maluna o ke kia nui Alaila e hoi mai oe laka a e hat mai ia mau mea ia makou.

Ina paha e malama ole kekahi i keia olole, e hoopai nui makou ia ia. Ina kona hoopai e kipaku loa nole noho makou mai kou aina nei.

Honolulu, Me 25, 1839.

KINAU,
 AUHEA,
 PAKI.

HE KANAWAI NO KA MAI PUUPUU.

No ka mea, ua lohe makou i ka mai puupuu he mai laka, aia ma Noweki e noho nei, a he nui loa ka pae i make malaila.

Noia ke olole aku nei makou ole loa, e kono mai ma ke awa o Honolulu, kekahi moku mai ia mau wahi mai, ua lohe pono makou ua kaawale ua moku ia i ka mai puupuu, a me na mai lele a pau no ua la, he kanahakumamalu alaila kono. A, ke papa aku nei makou nole e pae kekahi o lakou i uka nei; nole hoi e ee kekahi o uka nei ma ua moku ia, aia lohe makou ua kaawale ka moku i ka mai alaila pono.

Ina paha e malama ole kekahi i keia olole, e hoopai nui makou ia ia.

Honolulu, Mei 25, 1839.

KINAU,
 AUHEA,
 PAKI.

ARCHIVES OF HAWAII

Honolulu Star-Bulletin

HONOLULU, TERRITORY OF HAWAII, U. S. A., TUESDAY, MARCH 30, 1943

Food Group Has Plan To End Taro Shortage

By PETE S. CONOVER

The Hawaii food administration revealed today it will inaugurate immediately a program designed to end a serious shortage of taro, from which poi is made.

Taro production fell from 17,000,000 pounds in 1940 to 11,500,000 pounds last year, and today poi is virtually unavailable at Honolulu grocery stores, according to Walter F. Dillingham, director of food production.

Mr. Dillingham said it is important the situation be relieved not only because poi is one of Hawaii's "best foods," but because when it is unavailable more bread is consumed in the islands and more shipping space must be used to haul flour here.



Return of full poi production will release this Mr. Dillingham space for more important materials and will help make the islands self sustaining in case of further enemy attacks, he maintained.

About one year — the growing time of a taro crop—will be neces-

Although farmers of all nationalities will be asked to help, the program is designed especially for the participation and benefit of the Hawaiian people, because of their traditional and habitual use of poi.

The most serious obstacle to taro growing since the outbreak of the war, when most workers swarmed into defense jobs, has been a shortage of labor to till the taro patches. And it is here especially that the Hawaiians will be asked to help.

Hawaiian schoolboys will be asked to work part time in the fields and the services of the older Hawaiians will be solicited when they are released from their defense jobs on completion soon of many war contracts.

Those who do will be repaid financially as well as patriotically.

It is planned to make the project self supporting through sale of the taro produced, and all profits will



FOUR COUNTY ENVIRONMENTAL NETWORK

2021 LEGISLATIVE PACKAGE

RESILIENCY SURVEY

CLIMATE ACTION PLANNING

Climate Action Plan

- County Operations

County of Maui Resilience Strategy

- Community level
- Adaptation, Mitigation, and Recovery



COUNTY OF MAUI

ALOHA+ CHALLENGE

DASHBOARD

WWW.MAUICHALLENGE.ORG



The screenshot shows the website's dashboard. At the top left is the "Maui County Aloha+ CHALLENGE" logo. To the right are "Login" and "Sign up" buttons, and a language selector for "English". The main banner features a close-up of a red flower with the text "Join the Maui County Aloha+ Challenge today!". Below this are two buttons: "JOIN THE CHALLENGE" and "WHY JOIN? →". A paragraph of text reads: "Actions are simple everyday things that you can do to reduce your impact, and many also save you money. Click on a category below to explore the actions." Below the text are six category tiles: "The big actions" (solar panels), "Energy efficiency" (a gauge showing 72), "Transportation" (an electric car charger), "Water" (a water droplet), "Renter friendly" (a light bulb), and "Easy" (a power outlet).

THE ACTIONS

SAVE ELECTRICITY

SAVE MONEY


SAVE THE PLANET



Line Dry Clothes

Sun shine, fresh scent—all for free


★ Easy 160 \$ 10



Catch the Rain

Free, clean water

★ Easy 100 \$ 10



Buy or Lease an Electric Vehicle

Ditch the gas pump for BIG savings

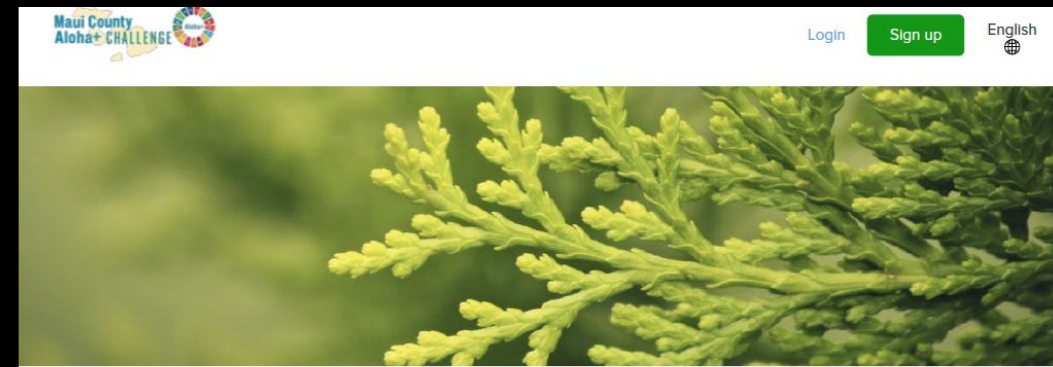
★ Challenging 13,000 \$ 1,200



Take the Bus

Hop on the bus and make a big impact

★ Medium 1,500 \$ 0



Plant Trees

Trees breathe CO₂—and do so much more! Trees lower greenhouse gas emissions, cool your home and your neighborhood, and significantly improve local air quality. And of course they are beautiful!

[VIEW DISCUSSION](#)

[+ CREATE POST](#)

Your Impact **40 points**

[SHARE](#)

UPFRONT COST
\$10 - \$50

\$\$\$

TIME COMMITMENT
4.0 hours

🕒🕒🕒🕒

RESOURCE SAVINGS

ANNUAL SAVINGS
\$0

💰💰💰💰

Your Action Plan **3 Steps**

[GET STARTED](#)

Introduction

1 Choose the right location

Finding a good location for your tree is important to both the health of the tree and to maximize its benefits. First, choose a place where it will have plenty of room to grow. Placing a tree near your house can create shade and can significantly reduce your AC use and energy bills. The best location for shade is to the south of large windows.

Be sure to avoid hazards, both overhead and below ground. Identify sewer lines that could be damaged by root systems. Check for overhead utility lines and check with your utility company to account for any plans for additional infrastructure. Examine the conditions at the site you've selected and note the soil type, water availability, and light exposure. This information is critical to your next step—selecting the right species of tree.

2 Choose the right type of tree

3 Plant your tree and enjoy!

Resources

COUNTY OF MAUI RESILIENCE SURVEY

ACTION STEPS

How to Read an 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.

RESILIENCE CO-BENEFITS

Demonstrates how the action has multiple benefits to make O'ahu stronger and better able to withstand multiple shocks and stresses.

PARTNERS

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), Short-term (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.hawaii greengrowth.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.

Pillar III CLIMATE SECURITY

GOAL 2: Clean Ground Transportation

Action 25

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 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 provisions for carpool/vanpool and bicycle parking, trip reduction plans, and transit-supportive infrastructure development. The 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 "wayfinding 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 micromobility options for island residents.

Resilience 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 Excelsior

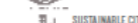
Timeframe

Immediate

Aloha+ Challenge



UN SDG



Performance Metrics

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

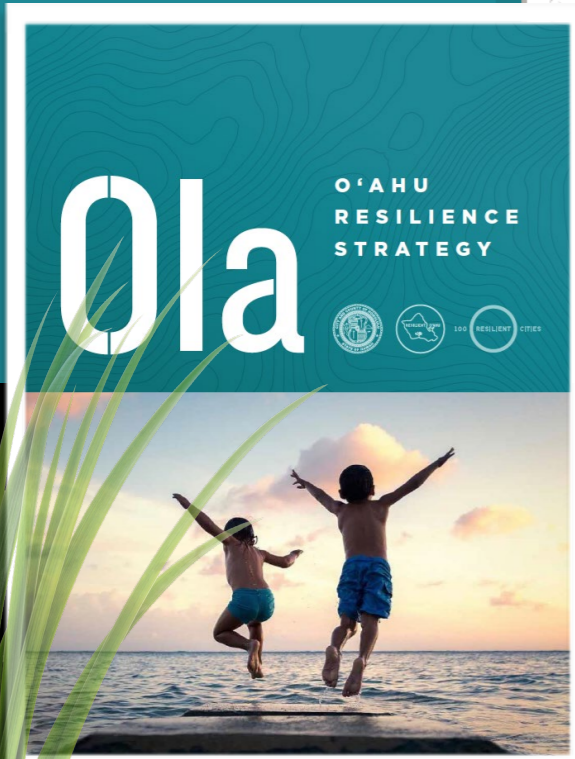
SPOTLIGHT

O'ahu Residents Want to Bike

After only six months in operation, Biki Bikeshare in Honolulu was the 8th most heavily used bikeshare system in the U.S. In its first year alone, Biki users logged 838,662 total rides—64 percent of which were by O'ahu residents. In 2018 that number kept rising, with users logging in more than 1 million rides at 2.8 rides per bike per day, compared to the industry average of 1.7. Biki riders report other perks: 27 percent lost weight and eight percent reduced their cost of living by eliminating a car from their household. As of May 2019, Biki was named the 6th most used bikeshare system in the nation. It's clear that Biki's success is happening despite poor bik-



are also lower than the national benchmark. O'ahu needs a significantly expanded bicycle network to meet the micromobility



STIMULUS OPPORTUNITY
GRANTS/FUNDING MECHANISMS
LEVERAGE COUNTY BUDGET





OED Grant

- Federal Economic Development Administration
- Economic or Opportunity Zone
- Hana, Molokai, Lahaina, Wailuku
- 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.

 MASKS  FACE SHIELDS  DISPOSABLE GLOVES  GOGGLES

The Salvation Army Kroc Center Hawai'i 91-3257 Kualakai Parkway Ewa Beach, HI 96706 Hours: Mon - Fri, 9:00 am - 12:00 pm Phone: (808) 682-5505	KEY Project 47-200 Waihee Road Kāne'ohe, HI 96744 Hours: Mon - Fri, 9:00 am - 12:00 pm Phone: (808) 239-5777	Kalihi YMCA 1335 Kalihi Street Honolulu, HI 96819 Hours: Mon - Fri, 9:00 am - 11:00 am Phone: (808) 848-2494
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RESILIENCE HUB
MERCYCORPS.ORG.UK

VIRTUAL HUAKA'I FROM MAUI TO MIAMI

VIRTUAL SUSTAINACHELLA
Love your H2O

Learn about where your water comes from and what you can do to help conserve this critical natural resource!

Thursday, May 7, 2020
12PM - 1PM HST
Register today to obtain access to the Zoom meeting:
MBRisingAbove.com/Sustainachella

MIAMIBEACH RISING ABOVE

miami-dade water

W.P.B. WEST PALM BEACH

GOOD GREEN City of Sunrise

HALLANDALE BEACH

CORAL GABLES

*Students are eligible to receive community service hours
**CMB Wellness Employees are eligible to receive 35 Go365 points

MIAMIBEACH RISING ABOVE

VIRTUAL SUSTAINACHELLA
Bustling Bees & Powerful Pollinators

From flowers to fruits and even vegetables, pollinators provide some of the best things in life! This workshop will explore the vital role that hard working pollinators play within our environment.

Wednesday, May 13, 2020
12PM - 1PM HST
Register today to obtain access to the Zoom meeting:
MBRisingAbove.com/Sustainachella

*Students are eligible to receive community service hours
**CMB Wellness Employees are eligible to receive 35 Go365 points

socket

WEST PALM BEACH

HALLANDALE BEACH

MAI NEI BOTANICAL GARDENS

GOOD GREEN

TREE CITIES OF THE WORLD

MIAMIBEACH RISING ABOVE

MIAMI BEACH BOTANICAL GARDEN

MIAMIBEACH RISING ABOVE

VIRTUAL SUSTAINACHELLA
Soarin' with Bird Conservation

More than 10,000 species of birds exists around the world - While some stay home, others travel thousands of miles to migrate. This workshop will focus on learning about birds and efforts to protect them.

Friday, May 15, 2020
10AM - 11AM HST
Register today to obtain access to the Zoom meeting:
MBRisingAbove.com/Sustainachella

*Students are eligible to receive community service hours
**CMB Wellness Employees are eligible to receive 35 Go365 points

socket

WEST PALM BEACH

HALLANDALE BEACH

MAI NEI BOTANICAL GARDENS

GOOD GREEN

TREE CITIES OF THE WORLD

MIAMIBEACH RISING ABOVE

MIAMI BEACH BOTANICAL GARDEN

KAUAI FOREST BIRD RECOVERY PROJECT

GOOD GREEN

PACIFIC BIRDS HABITAT JOINT VENTURE

Pelican Harbor SEABIRD STATION

VIRTUAL SUSTAINACHELLA
Biscayne Bay is my Bae
A Virtual Huaka'i From Maui to Miami

We all love our bays and oceans! They are known for their aesthetic beauty, recreational opportunities, and critical role in the environment. This workshop will focus on the importance of keeping waterways and oceans healthy within our region and around the world.

Tuesday, May 5, 2020
6AM - 7AM HST
Register today to obtain access to the zoom meeting:
MBRisingAbove.com/Sustainachella

Wellness plan CMB employees are eligible to receive 35 Go365 Points!

MIAMIBEACH RISING ABOVE

THE CITY OF MIAMI

MIAMI WATERKEEPER

MIAMI BEACH BOTANICAL GARDEN

Hui O Ka Wai Oia

VIRTUAL SUSTAINACHELLA
Tree and House Plant Rehab

Become a tree and plant expert by joining our workshop on identifying and fixing common issues found in our green leafed friends!

Submit pictures of your plant or tree troubles to: urbanforestry@miamibeachfl.gov. Submissions may be discussed during the workshop.

Friday, April 24, 2020
4PM - 5PM
Register today to obtain access to the zoom meeting:
MBRisingAbove.com/Sustainachella

or view live at: [facebook.com/cityofmiamibeach/](https://www.facebook.com/cityofmiamibeach/)

WEST PALM BEACH

MAI NEI BOTANICAL GARDENS

socket

GOOD GREEN

TREE CITIES OF THE WORLD

MIAMIBEACH RISING ABOVE

VIRTUAL SUSTAINACHELLA
Bye Bye Plastics

Get ready to say goodbye to plastics! Every year, 8 million metric tons of plastics enter the ocean and impact our urban and natural environments. Learn about what some organizations and cities are doing to reduce these effects.

Monday, April 27, 2020
6AM - 7AM HST
Register today to obtain access to the zoom meeting:
MBRisingAbove.com/Sustainachella

Wellness plan CMB employees are eligible to receive 35 Go365 points!

HALLANDALE BEACH

socket

WEST PALM BEACH

GOOD GREEN

CORAL GABLES

MIAMI BEACH BOTANICAL GARDEN

DEBRIS FREE OCEANS

MIAMIBEACH RISING ABOVE

NEXT
TNC, CORAL REEFS, 5/20/20

FOUR COUNTY ENVIRONMENTAL NETWORK

2021 LEGISLATIVE PACKAGE

RESILIENCY SURVEY

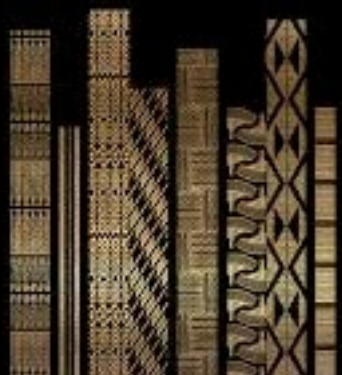
CLIMATE ACTION PLANNING

2021 (4) County Environmental Legislative Package

- HB1871 Sea Level Rise Disclosure
- HB1520 Energy Benchmarking
- HB2673 & SB3038 Relating to Taro, Biosecurity and Tax incentives (STIMULUS IMPLICATIONS)
- SB2060 & SB2381 Shoreline Erosion and Setbacks
- HB1844 Clean Energy Revolving Fund



ACHIEVING THE
SUSTAINABLE
DEVELOPMENT
GOALS
THROUGH
LOCAL ACTION

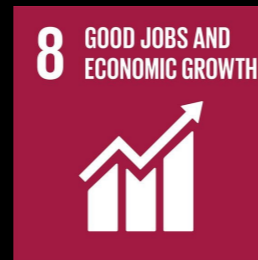


INDIGENOUS SOLUTIONS TO CLIMATE CHANGE

LO'I AND FISHPOND

BIO-RETENTION BASINS

NATURE BASED SOLUTIONS

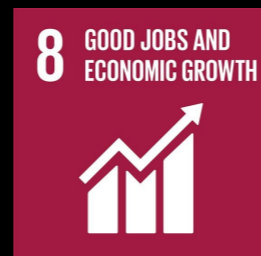
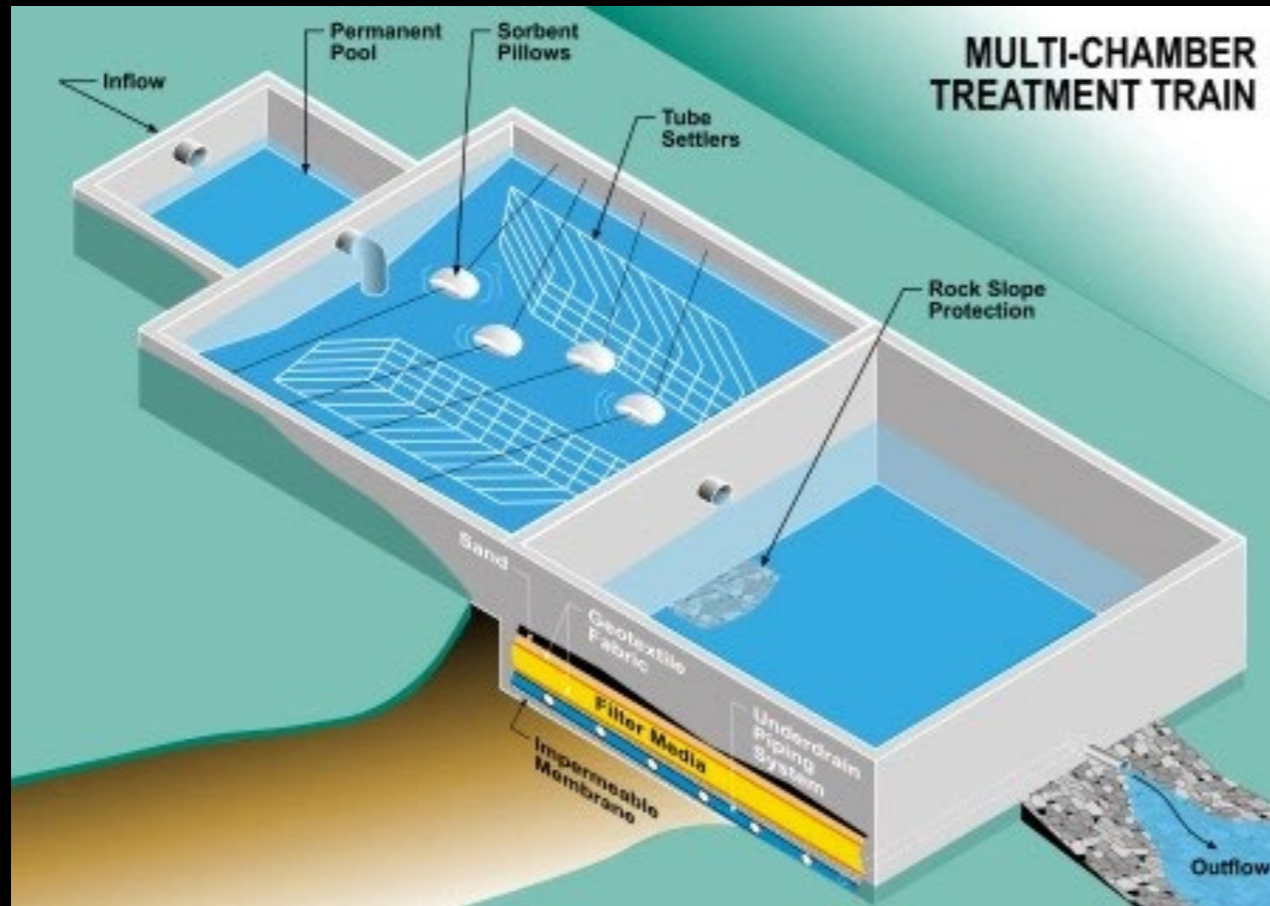


INDIGENOUS SOLUTIONS TO CLIMATE CHANGE

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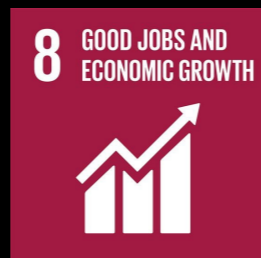


INDIGENOUS SOLUTIONS TO CLIMATE CHANGE

LO'I AND FISHPOND

BIO-RETENTION BASINS

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INDIGENOUS SOLUTIONS TO CLIMATE CHANGE
LO'I AND FISHPOND
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County of Maui

