

DAVID Y. IGE
GOVERNOR OF
HAWAII



SUZANNE D. CASE
CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA
FIRST DEPUTY

M. KALEO MANUEL
DEPUTY DIRECTOR - WATER

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

**STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES**

POST OFFICE BOX 621
HONOLULU, HAWAII 96809

**Testimony of
SUZANNE D. CASE
Chairperson**

**Before the Senate Committee on
WAYS AND MEANS**

**Monday, April 1, 2019
10:20 AM
State Capitol, Conference Room 211**

**In consideration of
SENATE CONCURRENT RESOLUTION 124, SENATE DRAFT 1/SENATE
RESOLUTION 93, SENATE DRAFT 1/URGING THE GOVERNOR, IN
COORDINATION WITH THE DEPARTMENT OF LAND AND NATURAL
RESOURCES, TO ESTABLISH AND IMPLEMENT A TREE PLANTING PROGRAM**

Senate Concurrent Resolution 124, Senate Draft 1/Senate Resolution 93, Senate Draft 1 urges the Governor, in coordination with the Department of Land and Natural Resources, assisted by the Office of Planning, to establish and implement a tree planting program. **The Department of Land and Natural Resources (Department) appreciates the intent of these measures and provides the following comments.**

The Department has several private landowner assistance programs available for land managers interested in improving and restoring their forested or formerly forested lands. Each of these programs, including the Forest Stewardship Program, Natural Area Reserve Program, Conservation Reserve Enhancement Program, Urban and Community Forestry Program, and the Watershed Partnerships can support tree planting projects on private lands. Although these programs provide the framework for encouraging and supporting tree planting projects, with 66% of Hawaii's forest lands managed by private landowners, there is not sufficient funding in any of these programs to meet the demand or need for tree planting support.

Additionally, the Department has the ability to conduct and a need for tree planting across the public lands that it manages (equal to almost one-half of the land area in Hawai'i). For example, the Division of Forestry and Wildlife has identified over 180,000 acres just within the Forest Reserve System that would benefit from additional tree planting to improve watershed health and that would sequester carbon dioxide (equal to approximately 5 million to 7 million trees) should funding be made available.

Forest ecosystems not only provide the water that sustains our lives in the islands, they also prevent soil erosion that damages our coral reefs and sequester and store remarkable amounts of carbon. Forest management and restoration is a powerful natural climate change solution. Recent scientific estimates by the United States Geological Survey suggest that an additional four million metric tons of carbon, equivalent to the annual average emissions of about 1.15 million Hawaii residents, could be sequestered and stored by reforesting current non-native grass and shrub-lands under the jurisdiction of the Division of Forestry and Wildlife.

The Department and partners have documented a five percent loss in urban tree canopy in a five year period on O‘ahu, our most populous island. This equates to a total removal of over 76,000 trees. The Department strongly supports actions, such as this one, to reverse this trend statewide. Trees in urban and rural areas encourage safer streets (by slowing traffic), reduce urban heat island effect, improve stormwater runoff and erosion, improve air quality, and sequester carbon dioxide from the atmosphere.

Thank you for the opportunity to comment on these measures.

SCR-124-SD-1

Submitted on: 3/30/2019 1:06:13 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Quinn	Individual	Support	No

Comments:

Dear Honorable Committee Members:

Please support SCR124, but with the amendment that the trees be planted in a nonwater-intensive area.

Thank you for your time and the opportunity to present my testimony.

Andrea Quinn

Kihei

SCR-124-SD-1

Submitted on: 3/31/2019 9:16:55 AM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kanani Kai	Individual	Support	No

Comments:

SCR-124-SD-1

Submitted on: 3/31/2019 7:41:25 AM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
donald erway	Individual	Support	No

Comments:

SCR-124-SD-1

Submitted on: 3/31/2019 5:16:24 AM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jonathan Boyne	Individual	Support	No

Comments:

Trees add beauty, reduce urban heat, improve stormwater runoff and erosion, improve air quality, and help fight global warming by sequestering carbon dioxide from the atmosphere. Please support this bill.

SCR-124-SD-1

Submitted on: 3/30/2019 10:08:07 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Eric Micha'el Leventhal	Individual	Support	No

Comments:

Trees add beauty, reduce urban heat, improve stormwater runoff and erosion, improve air quality, and help fight global warming by sequestering carbon dioxide from the atmosphere. Please support this bill - mahalo nui loa!

SCR-124-SD-1

Submitted on: 3/30/2019 1:56:07 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lifah Chun Lum	Individual	Support	No

Comments:

LATE

SCR-124-SD-1

Submitted on: 3/31/2019 12:03:26 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
John NAYLOR	Individual	Support	No

Comments:

Aloha,

PLANT TREES NOW!

LATE

SCR-124-SD-1

Submitted on: 3/31/2019 4:14:27 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Nandoskar	Individual	Support	No

Comments:

Trees add beauty, reduce urban heat, improve stormwater runoff and erosion, improve air quality, and help fight global warming by sequestering carbon dioxide from the atmosphere.

Trees also improve mental and physical health by encouraging the parasympathetic nervous system to activate which relieves stress, lowers blood pressure and enhances overall well being.

Please support this bill.

LATE



Hawaii's Thousand Friends

300 Kuulei Rd. Unit A #281 * Kailua, HI 96734 * Phone/Fax (808) 262-0682 E-Mail: htff3000@gmail.com

April 1, 2019

COMMITTEE ON WAYS AND MEANS

SCR 124 SD1 and SR 93 SD1
URGING THE GOVERNOR, IN COORDINATION WITH THE DEPARTMENT OF LAND AND
NATURAL RESOURCES, TO ESTABLISH AND IMPLEMENT A TREE PLANTING PROGRAM

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Committee Members;

Hawaii's Thousand Friends (HTF), a non-profit statewide organization dedicated to ensuring that land use planning and decisions protect the environment, human health and natural and cultural resources, supports SCR 124/ SD1/SR 93, SD1 to establish and implement a tree planting program.

Trees and the lei of green that they provide are a great value to people living, working, shopping, and walking in and through Hawai'i's urban places.

The anticipated \$250-600 (including first 3 years of maintenance) cost of planting a single tree returns approximately \$90,000 of direct benefits (not including aesthetic, social and natural) in the lifetime of the tree.

Trees planted in urban areas provide visual walls between cars and pedestrians and create vertical walls framing streets to help motorists guide their movement and assess speed, which leads to overall speed reduction.

Studies have shown that urban area medians with trees are safer than those without trees.

Trees create more pleasant walking environments along with a sense of pride and ownership.

Businesses on streets with trees show 12% higher income streams.

Trees improve drainage infrastructure by absorbing the first 30% of most precipitation through their leaf system, allowing evaporation back into the atmosphere and allowing water to percolate into the ground water and aquifer thus reducing storm water runoff and flooding potential.

Trees provide shade with temperature differentials ranging from 5-15% degrees. With climate change upon us heat reduction is always welcome.

Trees help reduce health impacts from car and truck exhaust, which contains significant pollutants, including carbon monoxide, volatile organic compounds, nitrogen oxides and particulate matter.

Asphalt streets and parking lots increase urban temperatures by 3-7 degrees, which significantly impacts energy costs to homeowners and consumers.

Trees lower urban air temperatures. An urban area properly shaded with trees can reduce energy bills for a household from 15-35%.

Trees create a connection to nature and the human senses, provide natural environments for birds, and make a bold visual statement about place.

Please support establishing healthier, greener and cooler urban environments by passing SCR 124 SD1 and SR 93 SD1 out of committee.



LATE

To: The Senate Committee on Ways and Means
From: Sherry Pollack, Co-Founder, 350Hawaii.org
Date: Monday, 4/1/19

In support of SCR 124 SD1

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Committee members,

I am Co-Founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. On behalf of our 6,000 members and supporters, 350Hawaii.org **strongly supports SCR 124 SD1.**

Trees add beauty, reduce urban heat, improve stormwater runoff and erosion, improve air quality, and help fight global warming by sequestering carbon dioxide from the atmosphere. All these things benefit everyone, making this measure a WIN:WIN for all.

Mahalo for the opportunity to testify in **strong support** of this measure

Sherry Pollack
Co-Founder, 350Hawaii.org

LATE

SCR-124-SD-1

Submitted on: 3/31/2019 9:21:27 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Ted Bohlen	Individual	Support	No

Comments:

LATE

SCR-124-SD-1

Submitted on: 3/31/2019 9:42:43 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
janice palma-glennie	Individual	Support	No

Comments:

Aloha and mahalo for supporting this simple, clean way to protect our islands and the long-term quality of life of all residents who depend upon beauty, clean air, captured carbon, as well as many inexplicable virtues of having well-landscaped towns and cities.

i have been a horticulturalist, plant nursery owner and landscape designer in Kona for over 25 years.

mahalo and sincerely,

janice palma-glennie

kailua-kona

LATE

SCR-124-SD-1

Submitted on: 4/1/2019 8:02:32 AM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Judith A Mick	Individual	Support	No

Comments:

Please support this bill to implelment a tree planting program to help control climate control.

Mahalo, Judy Mick, Kailua

**Kaka'ako Makai Community Planning Advisory Council
Testimony In Strong Support
SCR124**



NOTICE OF DECISION MAKING

Monday, April 1, 2019, 10:30 am

Conference Room 211
State Capitol
415 South Beretania Street

COMMITTEE ON WAYS AND MEANS
Senator Donovan M. Dela Cruz, Chair
Senator Gilbert S.C. Keith-Agaran, Vice Chair

Aloha Chair Donovan Dela Cruz, Vice Chair Gilbert S. C. Keith-Agaran and Members of the Committee on Ways and Means:

Please accept this testimony in strong support for SCR124 to protect, preserve and improve sensitive areas along Honolulu's South Oceanfront Parks and Shorelines to be enjoyed Hawaii's residents and visitors.

My name is Wayne Takamine and I serve as the chairman and spokesman for the Kaka'ako Makai Community Planning Advisory Council (CPAC). My involvement in community planning for Kaka'ako Makai began in late 2005 when the Kaka'ako community, stakeholders, environmental groups and ocean recreational park user groups began to understand the plans for 3 condominiums of 200 feet to be built in Kaka'ako Makai. After 6 months of strong statewide public opposition, the A & B Condominium RFP was repealed and new law were created prohibiting residential development in Kaka'ako Makai and prohibiting the sale of state land in Kaka'ako.

The Legislature also created HCR 30, 2006 the required the HCDA to create a community working group to organize, plan and implement a Master Plan for Kaka'ako Makai. The Kaka'ako Makai Community Planning Advisory Council (CPAC) was created in 2008. In 2010 I was selected by the CPAC Steering Committee to become the CPAC Chair. In 2011 with the support of hundreds of community participants, the HCDA Board approved the Kaka'ako Makai Master Plan.

Included in the Kaka'ako Makai Master Plan is the **Vision and Guiding Principals** that was created by CPAC and adopted by the HCDA Board that has become the basis for all future planning in Kaka'ako Makai. In a survey that was conducted by CPAC in collaboration with the HCDA, Community Participants of the Kaka'ako Makai Community Planning process and in accordance with legislation described in HCR 30, 2006, it was revealed that the **Lei of Green and Shoreline Promenade was the most popular planning concepts**. Therefore it should be noted that, SCR124 is legislation in the public interest and should be further refined to insure our precious Honolulu Shorelines are protected and preserved for greater community and future generations.

Mahalo,

Wayne Takamine
Chair
Kaka'ako Makai Community Planning Advisory Council (CPAC)

LATE

SCR-124-SD-1

Submitted on: 4/1/2019 1:39:30 PM

Testimony for WAM on 4/1/2019 10:20:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nanea Lo	Individual	Support	No

Comments:

Hello,

Trees add beauty, reduce urban heat, improve stormwater runoff and erosion, improve air quality, and help fight global warming by sequestering carbon dioxide from the atmosphere. Please support this bill.

me ke aloha 'Ä• ina,

Nanea Lo