



**STATE OF HAWAII
OFFICE OF PLANNING
& SUSTAINABLE DEVELOPMENT**

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Statement of
SCOTT GLENN, Director

before the
HOUSE COMMITTEE ON WATER AND LAND

Tuesday, March 21, 2023, 9:15 AM
State Capitol, Conference Room 430

in consideration of
SB1417 SD1
RELATING TO CLIMATE CHANGE

Chair Ichiyama, Vice Chair Poepoe, and Members of the House Committee on Water and Land:

The Office of Planning and Sustainable Development (OPSD) **supports SB1417 SD1**, which requires the Hawaii Community Development Authority (HCDA) to consider the impacts of climate change, sea level rise, and climate resilience development in the design and siting of buildings in the Kaka'ako and Kalaeloa community development districts.

In accordance with HRS § 225M-9, and 225M-2(b)(9) the OPSD Coastal Zone Management Program (CZM Program) and State Sustainability Branch is in ongoing coordination with HCDA to address sea level rise and climate resiliency issues. The OPSD recently provided a presentation on sea level rise adaptation to the HCDA board and also met with HCDA leadership to discuss sea level rise, climate resiliency, and sustainable development strategies within their respective districts.

Thank you for the opportunity to testify on this measure.



**HAWAI'I COMMUNITY
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JOSH GREEN, M.D.
GOVERNOR

CHASON ISHII
CHAIRPERSON

CRAIG K. NAKAMOTO
EXECUTIVE DIRECTOR

Statement of
Craig K. Nakamoto, Executive Director
Hawai'i Community Development Authority

HOUSE COMMITTEE ON WATER & LAND

Tuesday, March 21, 2023
9:15 AM
State Capitol, Conference Room 430 & Videoconference

In consideration of
S.B. 1417, S.D.1
RELATING TO CLIMATE CHANGE.

Chair Ichiyama, Vice Chair Poepoe, and members of the Committee.

The Hawai'i Community Development Authority (HCDA) **supports S.B. 1417**, that requires HCDA to consider the impacts of climate change, sea level rise, and climate resilience development in the design and siting of buildings in the Kaka'ako and Kalaeloa community development districts.

HCDA preferred the language in **S.B.1417 to the changes in S.D.1.**

If S.B.1417 is enacted, HCDA would develop implementation rules that consider the impacts of climate change, sea level rise, and climate resilience development in the design and siting of buildings in the respective community development districts.

The agency rule-making process would likely include stakeholder outreach to identify community tolerances to climate-related hazards, such as flooding or infrastructure disruption. HCDA would also consider ways in which hazard mitigation can be designed into buildings, such as those set forth in the climate adaptation design principles for urban development that have been developed by the City and County of Honolulu. And in accordance with *Chapter 226, Hawai'i Revised Statutes (HRS)*, HCDA would continue to work closely with the Office of Planning and Sustainable Development (OPSD) to integrate the evolving science and practice of climate change mitigation and sea level rise adaptation.

Although building climate-resilient communities is a critical need, the level of specificity in **S.B. 1417, S.D.1**, however, could potentially create unintended economic consequences for development and infrastructure. Further impact studies, consultation and community input can consider the risk, sensitivity, and adaptive capacity associated with mitigating climate-related hazards.

We respectfully request (10) on page 10, line 20 to page 11, line 5 be deleted:

(10) Development shall implement design standards for new construction that require lowest finished floor to elevate a minimum of two feet above the flood insurance rate map base flood elevation or 5.8 feet above mean higher high

Hawaii Community Development Authority

S.B. 1417, S.D.1

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water, whichever is higher, based on the latest guidance from the climate change commission of the city and county of Honolulu.

Finally, we note that HCDA is subject to *HRS Chapter 205A, Coastal Zone Management*, for development within special management areas and shoreline setback variances on any lands within a community development district.

Thank you for the opportunity to testify.



Aloha Committee Members,

My name is Arwen Revere and I am a high school student from Kailua. Today, I am representing the environmental organization Wild Kids. We are testifying in strong support of SB1417 which would Require the Hawai'i community development authority to consider the impacts of climate change, sea level rise, and climate-resilient development in the design and siting of buildings in the Kaka'ako and Kalaeloa community development districts. As members of the next generation, we know just how significant, dangerous, and imminent the threat of climate change is to our state's social and economic well-being, public safety, nature and environment, cultural resources, property, infrastructure, and government resources. Many recent studies have also shown that low-income and otherwise vulnerable communities will feel the impact of the climate crisis the most.

The National Oceanic and Atmospheric Administration has projected that 3.2 feet of global mean sea level rise will occur by 2100 in an intermediate scenario and could occur as early as 2060 in an extreme scenario. Kaka'ako will be greatly impacted by the effects of climate change, including sea level rise and heavy rainfall, and the lack of drainage infrastructure in Kalaeloa makes the area extremely vulnerable. Please ensure that development in these communities accounts and plans for the impacts of climate change.

Thank you for hearing our testimony,
Arwen Revere on behalf of Wild Kids



‘ŌNAEHANA KULANUI O HAWAII

Legislative Testimony

Hō'ike Mana'o I Mua O Ka 'Aha'ōlelo

Testimony Presented Before the
House Committee on Water and Land
Tuesday, March 21, 2023 at 9:15 a.m.

By

Charles "Chip" Fletcher, PhD
Dean, School of Ocean and Earth Science and Technology

And

Darren T. Lerner, PhD
Director, Sea Grant College Program,
School of Ocean and Earth Science and Technology

And

Michael Bruno, Provost
University of Hawai'i at Mānoa

SB 1417 SD1 – RELATING TO CLIMATE CHANGE

Chair Ichiyama, Vice Chair Poepoe, and Members of the Committee:

The University of Hawai'i Climate Resilience Collaborative (CRC) and Sea Grant College Program (Hawai'i Sea Grant) **support SB 1417 SD1.**

This measure would require the Hawai'i Community Development Authority to consider the impacts of climate change, sea level rise, and climate resilience development in the design and siting of buildings in the Kaka'ako and Kalaeloa community development districts.

CRC is a multi-investigator research project at the University of Hawai'i at Mānoa focused on sea level rise adaptation and climate resilience. CRC is updating coastal models that project the impacts of sea level rise.

Hawai'i Sea Grant's mission is to provide integrated research, extension, and education activities that increase understanding and use of ocean and coastal resources of the Hawaiian and Pacific Islands and support the informed personal, policy, and management decisions that are integral to realizing this vision. Hawai'i Sea Grant is part of a national network of 34 university-based programs associated with the National Oceanic and Atmospheric Administration that promote better understanding, conservation, and use of coastal resources.

CRC and Hawai'i Sea Grant would be happy to provide updated sea level rise data and projections to the Committee or any lawmaker upon request.

CRC and Hawai'i Sea Grant support SB 1417 SD1.

Thank you for the opportunity to testify on this measure.

SB-1417-SD-1

Submitted on: 3/17/2023 4:28:50 PM

Testimony for WAL on 3/21/2023 9:15:00 AM

Submitted By	Organization	Testifier Position	Testify
Andrew Crossland	Individual	Oppose	Written Testimony Only

Comments:

I oppose this Bill that assumes climate change and sea level rise are anything but a hoax.

SB-1417-SD-1

Submitted on: 3/17/2023 5:48:42 PM

Testimony for WAL on 3/21/2023 9:15:00 AM

Submitted By	Organization	Testifier Position	Testify
B.A. McClintock	Individual	Support	Written Testimony Only

Comments:

Please support this common sense bill. Mahalo.

SB-1417-SD-1

Submitted on: 3/18/2023 2:36:19 PM

Testimony for WAL on 3/21/2023 9:15:00 AM

Submitted By	Organization	Testifier Position	Testify
Gerard Silva	Individual	Oppose	Written Testimony Only

Comments:

The seas Rise and Fall all the time. have seen this for over 60 years. This is not Climet Change it is the Way it is and has always Bin, Climey Change is just alot of Made up BULL SHIT!!!!

SB-1417-SD-1

Submitted on: 3/18/2023 6:06:10 PM

Testimony for WAL on 3/21/2023 9:15:00 AM

Submitted By	Organization	Testifier Position	Testify
Will Caron	Individual	Support	Written Testimony Only

Comments:

Climate change and sea level rise pose significant, dangerous, and imminent threats to the state's social and economic well-being, public safety, nature and environment, cultural resources, property, infrastructure, and government functions and will likely have a disproportionate impact on low-income and otherwise vulnerable communities.

A 2017 report by the National Oceanic and Atmospheric Administration projected that 3.2 feet of global mean sea level rise will occur by 2100 in an intermediate scenario and could occur as early as the 20603 in an extreme scenario.

The Hawai'i Community Development Authority (HCDA) plans, coordinates, and implements new infrastructure and development projects in the Kaka'ako and Kalaeloa community development districts on O'ahu. Kaka'ako will be threatened by the effects of climate change, including sea level rise and heavy rainfall, and the lack of drainage infrastructure in Kalaeloa makes it vulnerable to the impacts of increasingly violent storm weather.

It is in our long-term best interest to ensure that development in these communities accounts and plans for the impacts of climate change. Please pass SB1417 SD1.

SB-1417-SD-1

Submitted on: 3/19/2023 3:18:43 PM

Testimony for WAL on 3/21/2023 9:15:00 AM

Submitted By	Organization	Testifier Position	Testify
Katie Curtis	Individual	Support	In Person

Comments:

I am in support of SB 1417, Relating to climate change.

I am in favor of many aspects of this bill. Although it may seem like a long time from now to most people, the effects of climate change are very apparent already. The bill states researchers found that by 2100 it is projected that there will be 3.2 feet of global mean sea level rise. If there are actions taken now, then we will not be as overwhelmed in the future as this issue becomes more and more pressing. I agree with the ideas mentioned about strategies to reduce the vulnerability of certain areas that would be more affected by climate change in the upcoming years. I also support the development guideline policies that require developers to consider the impacts of climate change and other aspects in regards to the design and siting of buildings. It is long overdue that we think about our actions in relation to the climate outside of personal actions and more related to development. Thank you.

SB-1417-SD-1

Submitted on: 3/20/2023 8:55:07 AM

Testimony for WAL on 3/21/2023 9:15:00 AM

Submitted By	Organization	Testifier Position	Testify
Shannon Rudolph	Individual	Support	Written Testimony Only

Comments:

Support