

DAVID Y. IGE
Governor

JOSH GREEN
Lieutenant Governor

MIKE MCCARTNEY
Director



LATE

DANIEL ORODENKER
Executive Officer

Bert K. Saruwatari
Planner

SCOTT A.K. DERRICKSON AICP
Planner

RILEY K. HAKODA
Chief Clerk/Planner

RASMI AGRAHARI
Planner

FRED A. TALON
Drafting Technician

LAND USE COMMISSION
Department of Business, Economic Development & Tourism
State of Hawai'i

Statement of
Daniel E. Orodener
Executive Officer
Land Use Commission
Before the
Senate Committee on Agriculture and Environment
Senate Committee on Water and Land
and
Senate Committee on Government Operations

Thursday February 7, 2019
2:45 PM
State Capitol, Conference Room 225

In consideration of
SB 690
RELATING TO CLIMATE CHANGE

Chairs Gabbard, Kahele, and Thielen; Vice Chairs Ruderman, Keith-Agaran, and Inouye; and members of the Senate Committees Agriculture and Environment, Water and Land, and Government Operations:

The Land Use Commission (LUC) supports the purpose and intent of this measure. The LUC needs direction and data on how to handle climate change in its decision-making.

We would point out that the scale of this measure would likely result in a need for additional resources, depending on the extent of the effort on a year to year basis.

Thank you for the opportunity to testify on this matter.

STATE OF HAWAII
DEPARTMENT OF DEFENSE
HAWAII EMERGENCY MANAGEMENT AGENCY

**TESTIMONY ON
SENATE BILL 690, RELATING TO CLIMATE CHANGE**

Before the Senate Committees on
**AGRICULTURE AND ENVIRONMENT
WATER AND LAND
GOVERNMENT OPERATIONS**

By

Thomas L. Travis
Administrator, Hawaii Emergency Management Agency (HI-EMA)

Chairs Gabbard, Kahele, Thielen and Vice Chairs Ruderman, Keith-Agaran and Inouye, and Members of the Committee

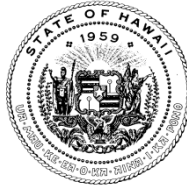
The Hawaii Emergency Management Agency (HI-EMA) ***supports the intent of*** Senate Bill 690.

Senate Bill 690 Implements the recommendations of the Hawai'i Sea Level Rise Vulnerability and Adaptation Report issued by the Hawai'i Climate Change Mitigation and Adaptation Commission. Makes appropriations.

Note: My comments represent HI-EMA concerns at the state emergency management level only. I would defer to the separate comment/testimonies of the county emergency management agencies, as they would be the jurisdictions impacted by this legislation at the local level.

Thank you for the opportunity to provide testimony on Senate Bill 690.

Thomas L. Travis: Thomas.l.travis@hawaii.gov; 808-733-4300



TESTIMONY BY:

JADE T. BUTAY
DIRECTOR

Deputy Directors
LYNN A.S. ARAKI-REGAN
DEREK J. CHOW
ROSS M. HIGASHI
EDWIN H. SNIFFEN

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

February 7, 2019
2:45 p.m.
State Capitol, Room 225

S.B. 690
RELATING TO CLIMATE CHANGE

Senate Committee(s) on Agriculture and Environment, Water & Land,
& Government Operations

The Department of Transportation (DOT) **supports the intent of the bill** to strengthen and empower the State Office of Planning as the lead state agency charged with coordinating, collaborating, and addressing climate change as it is the most significant strategic statewide planning issue impacting land use, coastal, and ocean policy management, **but hereby respectfully submits its concerns and comments** as follows:

- 1) As the science behind sea level rise and climate change is evolving and producing new findings, DOT is concerned about the bill mandating all state departments and agencies to implement the recommendations of the Hawaii Sea Level Vulnerability and Adaptation Report (Report). The disclaimer within the Report itself states that it “should be used strictly as a planning reference tool and not for permitting, or other legal purposes.” Additionally, the science behind sea level rise and climate change is evolving and producing new findings. The report was based on the latest science at the time it was written. It is a living document and will need to be updated and its recommendations adjusted as the science evolves and greater rise in seas are predicted sooner.
- 2) Sea level rise is but one important consequence of climate change. Other equally important and critical impacts are threats to our fresh water supply due to more frequent and extreme droughts, frequency and intensity of severe weather events (hurricanes), changes due to global warming that threaten critical ecosystems on land and in the ocean, as well as many others direct and indirect impacts. The proposed bill’s emphasis on sea level rise lessens focus on other equally and critically important areas of concern.
- 3) DOT has significant concerns with directives and mandates regarding how capital improvement projects must be prioritized that could potentially conflict with federal requirements, thus jeopardizing millions of dollars of federal funds (FHWA &

FTA) annually. Such directives are also likely to create significant confusion and delayed actions due to conflicts in responsibilities and authority between various State, County, and possibly federal agencies.

4) DOT recommends empowering the Office of Planning to take the state lead on climate change and to appropriately resource them to work cooperatively and collaboratively with the many agencies, advocates, stakeholders, and the public in developing comprehensive action plans to integrate resiliency and adaptation into coordinated statewide actions that can be taken statewide.

DOT also offers the following comments as noted on the attached.

Thank you for the opportunity to provide testimony.

Additional DOT Concerns:

1. Page 4, lines 1-7: DOT has significant concerns with the proposal to require all departments to “update capital improvement planning to prioritize infrastructure improvements for urban areas identified as priority redevelopment area by the standing committee on sea level rise and managed retreat”. Such actions could place DOT in conflict with federal law and could unintentionally result in the loss of millions of dollars in federal funds annual (FHWA & FTA)
2. Page 68 & 69: Sea level rise is but one consequence of climate change. Other equally important and critical impacts are threats to our fresh water supply due to more frequent and extreme droughts, frequency and intensity of severe weather events (hurricanes), environmental changes due to global warming that threaten ecosystems on land and in the oceans, and other direct and indirect impacts. The proposed bill’s heavy emphasis on sea level rise lessens focus on other equally and critically important areas of concern.
3. The science behind climate change and sea level rise continues to evolve, resulting in more extreme and dire predictions. Sea level rise is unique in that the level of the sea will continue to rise, the more pertinent question is how soon such rise will occur. With regards to infrastructure improvements, we must conduct thoughtful and careful analyses, reviews, tradeoffs to ensure the best decisions are made as we can’t afford to make billion-dollar investments in infrastructure improvements that may be underwater. Such careful research, analyses, and evaluations should be left to each department to conduct within their respective and necessary timeframes, developing reasonable and implementable action plans based on their respective areas of technical expertise.
4. Page 19 & 20: The Legislature has created the Climate Change Mitigation and Adaptation Committee. Creating a “standing committee on sea level rise and managed retreat” may cause greater confusion as the roles and responsibilities appear to overlap. Focus, emphasis, and resources will also be diluted by having more than one committee with similar purpose and functions. DOT also has significant concern with the composition of such a new committee with far reaching authority.
5. Page 4, line 5-7: DOT has significant concerns with granting power and authority over “identifying priority redevelopment areas by the standing committee on sea level rise and managed retreat”. DOT finds that such land use actions are the functional responsibilities of the State Office of Planning and should be accomplished through their existing processes that include significant and important public involvement and coordination with both Federal, State, and County agencies.

6. Page 5, line 9-11: The unintended consequence of flood insurance is that can encourage people to build in areas which are at higher risk to flooding as their financial risk is lessened through insurance. After storms hit, flood insurance has resulted in people using their insurance payments to rebuilding homes in high risk areas, multiple times.
7. Page 38-39: It is DOT position that the Office of Environmental Quality Control (OEQC) is best qualified to evaluate, cooperatively and collaboratively develop, and establish proper environmental requirements and guidance through their existing administrative rules process.



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Statement of
Daniel E. Orodener
Executive Officer
Land Use Commission
Before the
Senate Committee on Agriculture and Environment
Senate Committee on Water and Land
and
Senate Committee on Government Operations

Thursday February 7, 2019
2:45 PM
State Capitol, Conference Room 225

In consideration of
SB 690
RELATING TO CLIMATE CHANGE

Chairs Gabbard, Kahele, and Thielen; Vice Chairs Ruderman, Keith-Agaran, and Inouye; and members of the Senate Committees Agriculture and Environment, Water and Land, and Government Operations:

The Land Use Commission (LUC) supports the purpose and intent of this measure. The LUC needs direction and data on how to handle climate change in its decision-making.

We would point out that the scale of this measure would likely result in a need for additional resources, depending on the extent of the effort on a year to year basis.

Thank you for the opportunity to testify on this matter.

DAVID Y. IGE
GOVERNOR OF HAWAII



**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 Committees on
AGRICULTURE AND ENVIRONMENT
and
WATER AND LAND
and
GOVERNMENT OPERATION**

**Thursday, February 7, 2019
2:45pm
State Capitol, Conference Room 225**

**In consideration of
SENATE BILL 690
RELATING TO CLIMATE CHANGE**

Senate Bill 690 proposes to require all state departments and agencies (including county agencies) to implement the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report. **The Department of Land and Natural Resources (Department) acknowledges the importance of this measure and offers the following supportive comments.**

Senate Bill 690 would impact several programs within the Department including the State Historic Preservation Division, Land Division, and Office of Conservation and Coastal Lands. The measure would also amend Act 32, Session Laws of Hawaii, 2017, "Hawaii Climate Change Mitigation and Adaptation Initiative" with several amendments. The Department notes that there are proposed actions in Senate Bill 690 that affect other agencies of the State. Our comments are limited to only those measures that affect the Department.

Senate Bill 690 would require the State Historic Preservation Division to develop a "culturally-based adaptation process and protocols to preserve burial sites, burial goods, human skeletal remains, and native Hawaiian cultural resources and practices that may be impacted by sea level rise," and would require consultation with other agencies and groups. It would grant the Board of Land and Natural Resources the power to "develop and enter into public-private partnerships for coastal land acquisition, beach management, reef protection, and other activities that preserve coastal resources," and would allow the Board to acquire interests or rights to land "adjacent to beaches and other coastal areas...including conservation easements," and would require the Office of Conservation and Coastal Lands to conduct a statewide climate resilience study, as well as a

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

specific study to prioritize beaches that are important for recreational uses, cultural practices, and wildlife habitat, and where special adaptation measures may be implemented to ensure the survival of beaches.

As you know, the Department's Office of Conservation and Coastal Lands (OCCL) houses the Climate Change Mitigation and Adaptation Commission (Climate Commission). The OCCL houses one (1) Climate Mitigation and Adaptation Coordinator (Climate Coordinator). The Climate Coordinator is assisted by the Administrator of the OCCL with part time help from one (1) OCCL Planner who provides assistance with conference and meeting planning, website management, and social media. In addition, the functions of the office are greatly enhanced by coordinating activities in partnership with the the City and County of Honolulu, Climate Change, Sustainability and Resiliency office, and the other County Sustainability officers, the Greenhouse Gas Sequestration Task Force, the State's sustainability coordinator, federal partners, as well as climate researchers and policy experts at the University of Hawaii, the East-West Center and other research institutions.

In the brief 18 months of its existence, the Climate Commission under the guidance of the Climate Coordinator has had a strong impact on state and county policies and has established a new standard for state level action on climate change mitigation and adaptation. In its first 18 months the Climate Commission and the Climate Coordinator have accomplished a great deal of work:

Adopted a cutting edge Sea Level Rise Adaptation and Mitigation Report in accordance with Act 32, SLH, 2017. This first statewide assessment of Hawaii's vulnerability to sea level rise uses the latest science to characterize the threat and risks to our coastal areas from sea level rise. Adopted a series of recommendations for adaptation to Sea Level Rise. The Climate Commission passed five recommendations aimed at State and counties that tackle keystone issues surrounding sea level rise, such as real estate disclosure of sea level rise hazards, direct all new development away from beach areas, urge counties to incorporate 3.2 feet sea level rise exposure into their general and community plans, encourage agencies and non-governmental utility providers to identify and prioritize assets with the 3.2 ft. projections, identify adaptation measures and report back to the Climate Commission annually on progress, and support legislation that funds state programs to meet the goals, and to bring resources to assist in planning and implementation for sea level rise and other related impacts. The Climate Commission put a high priority on supporting legislation that funds State programs to meet mitigation goals, and that brings resources to assist in planning and implementation for sea level rise and other climate related impacts. The 2019 legislative session will be a critical turning point for resourcing efforts to implement more specific sea level rise adaptation measures by implementing adaptation actions at the agency level.

Identified priority areas to help reduce emissions from ground transportation. These include a strong statement on carbon pricing, along with addressing system efficiencies through transportation and parking studies, electric vehicle (EV) infrastructure deployment through government carshare and other programs, and a PSA campaign to engage residents and visitors in the transition to clean transportation.

Finalized a mission statement to bind together the above priorities. The Commission aims "[t]o promote ambitious, climate-neutral, culturally responsive strategies for climate change adaptation and mitigation in a manner that is clean, equitable and resilient."

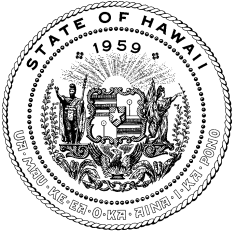
Developed a climate “brand” for Hawaii through a new website and social media presence to inform local and global audiences of Hawaii’s climate response. The web portal launched in June helps to tie together all State efforts on Climate Change—adaptation, greenhouse gas sequestration, the greenhouse gas inventory, Hawaii Clean Energy Initiative, Sustainability initiatives, and the State Energy Office sites. The social media accounts attempt to provide insights into the Commission’s ongoing work.

Projected a national presence for climate response. Hawaii works with the 20-Governor US Climate Alliance (USCA) that was formed as a response to the Federal Administration’s withdrawal from the Paris Agreement. Hawaii is involved in various working groups, including for resilience, transportation, natural and working lands, and so on. The Climate Coordinator co-chairs, along with staff from Minnesota and Washington, the transportation working group and brings lessons from other states to Hawaii.

Hosted a dynamic statewide First Annual Climate Conference bringing subject matter experts together from the mainland U.S. and from Hawaii, to engage with researchers, the interested public, industry and government in an effort to help resolve the most difficult issues facing the state and set the tone for the work of the Commission in 2019.

While we feel that our efforts have been highly successful, given the modest resources allocated to carry out Commission work, if the Commission is to carry out substantially more functions as outlined in this measure, it must be provided with substantially more resources. If this measure passes it will need to include substantial funding and new positions (including extension of the Climate Coordinator position which sunsets in June 2019) to reflect the work outlined here.

Thank you for the opportunity to comment on this measure.



OFFICE OF ENVIRONMENTAL QUALITY CONTROL

DEPARTMENT OF HEALTH | 235 South Beretania Street, Suite 702, Honolulu, HI 96813 | oeqchawaii@doh.hawaii.gov

DAVID Y. IGE
GOVERNOR

SCOTT GLENN
DIRECTOR

(808) 586-4185

Testimony of
SCOTT GLENN, Director

before the
**SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT
COMMITTEE ON WATER AND LAND
COMMITTEE ON GOVERNMENT OPERATIONS**

Thursday, February 7, 2019

2:45 PM

State Capitol, Conference Room 225

in consideration of
**SENATE BILL 690
RELATING TO CLIMATE CHANGE**

Chair Gabbard, Vice Chair Ruderman, and Members of the Senate Committee on Agriculture and Environment

Chair Kahele, Vice Chair Keith-Agaran, and Members of the Senate Committee on Water and Land

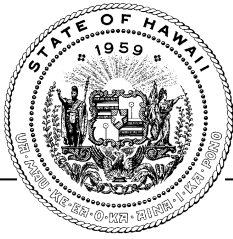
Chair Thielen, Vice Chair Inouye, and Members of the Senate Committee on Government Operations

The Office of Environmental Quality Control (OEQC) administers Chapter 343, Environmental Impact Statements (EIS), Hawai'i Revised Statutes (HRS). The purpose of the EIS law is to "establish a system of environmental review which ensures that environmental concerns are given appropriate consideration in decision making along with economic and technical considerations" (HRS § 343-1). Additionally, the OEQC serves "the Governor in an advisory capacity on all matters relating to environmental quality control," as directed in HRS § 341-3.

Senate Bill 690 seeks to implement the recommendations of the Hawai'i Sea Level Rise Vulnerability and Adaptation Report issued by the Hawai'i Climate Change Mitigation and Adaptation Commission.

The OEQC embraces the recommendations of the report and as it finishes assisting the Environmental Council with updating the administrative rules will turn its attention to working on sea level rise and climate change guidance.

Thank you for the opportunity to testify on this measure.



OFFICE OF PLANNING STATE OF HAWAII

DAVID Y. IGE
GOVERNOR

DIRECTOR
OFFICE OF PLANNING

235 South Beretania Street, 6th Floor, Honolulu, Hawaii 96813
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Statement of
LEO R. ASUNCION
Planning Program Administrator, Office of Planning
before the
**SENATE COMMITTEES ON AGRICULTURE & ENVIRONMENT, WATER & LAND,
AND GOVERNMENT OPERATIONS**
Thursday, February 7, 2019
2:45 PM
State Capitol, Conference Room 225

in consideration of
SB690
RELATING TO CLIMATE CHANGE

Chairs Gabbard, Kahele, and Thielen, Vice Chairs Ruderman, Keith-Agaran, and Inouye and Members of the Committees on Agriculture and Environment, Water and Land, and Government Operations.

The Office of Planning (OP) appreciates the intent of SB690 and respectfully offers comments to the sections of the measure that pertain to specifically to OP.

- We note that initiatives in this measure tasked to OP (see page 16, line 4 to page 23, line 17) would require an appropriation in order to execute and maintain said initiatives.
- Further, the personnel capacity of OP need to be increased in order to move forward on said initiatives as OP is already utilizing time from federally-funded positions to meet recent legislative mandates, in addition to meeting the obligations of the cooperative agreements entered into with the federal government.

Lastly, while the Office of Planning appreciates the to-be-determined appropriations, such appropriations should be made provided that it does not replace or adversely impact priorities indicated in the Executive Budget.

Thank you for the opportunity to comment on this measure.

SB-690

Submitted on: 2/1/2019 6:44:26 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Karen Winslow	Testifying for Hawaii Farmers Union	Support	No

Comments:



Environmental Caucus

The Democratic Party of Hawai'i

SENATE JOINT COMMITTEE ON AGRICULTURE AND THE ENVIRONMENT, WATER AND LAND, AND GOVERNMENT OPERATIONS

February 7, 2019 2:45 p.m. Room 225

In **STRONG SUPPORT** of **SB690**: Relating to Climate Change

Aloha Chairs Gabbard, Kahele, and Thielen, Vice Chairs Ruderman, Keith-Agaran, Inouye, and Committee Members,

On behalf of the Environmental Caucus of the Democratic Party of Hawai'i (ECDPH), we **strongly support passage of SB690**, relating to Climate Change.

Climate change and efforts to mitigate its effects is the single most pressing issue of our time. The impact of a 3.2 foot sea level rise, as outlined in the the findings of the Sea Level Rise Vulnerability and Adaptation Report in 2017 (hereafter referred to as "The Report"), is likely to be disastrous for Hawai'i's economy, sustainability, and way of life.

This bill supports the commitment of the state of Hawai'i, as set forth in Act 32 Session Laws 2017, to support the Paris Climate Agreement. The robust and pointed recommendations from The Report creates a road map to quickly and efficiently address sea level rise here in Hawai'i while simultaneously combating the global issue of climate change. It is imperative we take these recommendations seriously and act now.

Mahalo for this opportunity to provide testimony in **strong support of SB690**.

Kimiko LaHaela Walter

Interim Chair, Energy and Climate Change Subject Committee, Environmental Caucus of the Democratic Party of Hawai'i



SIERRA CLUB OF HAWAI'I

MĀLAMA I KA HONUA. *Cherish the Earth.*

SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT

SENATE COMMITTEE ON WATER AND LAND

SENATE COMMITTEE ON GOVERNMENT OPERATIONS

February 7, 2019 2:45 PM Room 225

In SUPPORT of SB 690: Relating to Climate Change

Aloha Chair Gabbard, Chair Kahele, Chair Thielen, and members of the committees,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i **supports SB 690**, a comprehensive bill to implement the recommendations of the Hawai'i Sea Level Rise Vulnerability and Adaptation Report¹ (the Report) issued by the Hawai'i Climate Change Mitigation and Adaptation Commission (the Climate Commission) in December 2017. It is an ambitious bill consisting of thirteen parts which include specific amendments for state and county agencies, including important provisions for the Climate Commission to promote, and monitor the progress of, implement its recommendations.

While much of the focus of the Report is on the Sea Level Rise Vulnerability projections of 3.2 feet expected to occur before the year 2100, *impacts of sea level rise are here already and will accelerate in coming years*. Policy and permitting decisions with long-term effects related to sea level rise are happening now, including approvals of structures with long life spans, siting of utilities and other capital improvements, and other actions with long-range consequences. We commend the authors of SB 690 for their initiative in providing legislation to implement the Report's recommendations this session.

We find two Parts of the bill to be especially important for passage:

(1) **PART XI**, which requires that mandatory seller disclosures in real estate transactions include identification of residential real properties lying within a sea level rise exposure area, as recommended by the the Report; and

(2) **PART XII**, to implement parts of the Report relating to the Climate Commission. These include requirements for the Climate Commission to promote, monitor, and report progress on implementation of the recommendations of the Report, including community engagement strategies.

¹ https://climateadaptation.hawaii.gov/wp-content/uploads/2017/12/SLR-Report_Dec2017.pdf

We note that other bills which we support have been introduced to implement or augment some of the Report's key recommendations. These bills contain important mechanisms to combat the very real effects of climate change that have already started to impact our islands.

Thank you very much for this opportunity to provide testimony in **support of SB 690**.

Mahalo,

A handwritten signature in cursive script that reads "Jodi Malinoski".

Jodi Malinoski, Policy Advocate

AMERICAN INSTITUTE OF ARCHITECTS

February 7, 2019

Honorable Mike Gabbard, Chair
Senate Committee on Agriculture & Environment

Honorable Kaiali'i Kahele, Chair
Senate Committee on Water and Land

Honorable Laura H. Thielen, Chair
Senate Committee on Government Operations

Re: Senate Bill 690 Relating to Climate Change

Dear Chairs Gabbard, Kahele, Thielen and Members of the Committees

My name is Daniel Chun Government Affairs Commissioner of the American Institute of Architects Hawaii State Council (AIA) providing **COMMENT** on SB 690. The bill implements the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report issued by the Hawaii Climate Change Mitigation and Adaptation Commission. Makes appropriations.

AIA has established a new committee to address this important issue of state-wide concern. Architects stand ready to assist in "redevelopment within existing footprints to be dependent on established resilient building design guidelines." [quoting from the bill]

AIA is currently polling our membership with respect to bills relating to CZM/SMA. Some bills have very expansive language with broad negative impacts upon architects. Well beyond transitory effect upon our members, these bills can affect long-term enjoyment of Hawaii's natural environment for residential, commercial, cultural and recreational purposes.

SB 690 recognizes county planning departments as the logical place for addressing details of climate change mitigation.

Recent discussion at AIA board generated positive comment regarding the current language of this bill. If you make amendments, AIA request these be actual and adequate appropriations to county planning departments as they lack enough staff to address this critical issue. Thank you for this opportunity to **COMMENT** on SB 690.



THE ASSOCIATION OF HAWAIIAN CIVIC CLUBS

Senate Committee on Agriculture and Environment
Senate Committee on Water and Land
Senate Committee on Government Operations

Pō‘ahā, Pepeluāli 7, 2019
Lumi ‘Aha Kūkā 225
Ke Kapikala Moku ‘āina
415 South Beretānia Street

Re: SB690 - RELATING TO CLIMATE CHANGE

Aloha Luna Ho‘omalu Mike Gabbard, Hope Luna Ho‘omalu Russell E. Ruderman, Luna Ho‘omalu Kaiāli‘i Kahele, Hope Luna Ho‘omalu Gilbert S.C. Keith-Agaran, Luna Ho‘omalu Laura H. Thielen, Hope Luna Ho‘omalu Lorraine R. Inouye and members of the Senate Committees on Agriculture and Environment, Water and Land, and Government Operations:

The Association of Hawaiian Civic Clubs **SUPPORTS THE INTENT** of SB690. This bill implements the recommendations of the Hawai‘i Sea Level Rise Vulnerability and Adaptation Report issued by the Hawai‘i Climate Change Mitigation and Adaptation Commission. At its 59th annual convention, the Association adopted resolution 2018-32, urging the State of Hawai‘i to develop policies that address the impacts of sea level rise and climate change, especially as it pertains to Native Hawaiian communities and culture.

Thus, the Association respectfully urges the committees to **PASS** SB690 and affirms our willingness to *kūkākūkā* on how to strengthen the bill as it moves forward.

The civic club movement was founded in 1918 by Congressional Delegate Prince Jonah Kūhiō Kalaniana‘ole with the creation of the Hawaiian Civic Club; the Association was formally organized in 1959 and has grown to a confederation of over sixty (60) Hawaiian Civic Clubs located throughout the State of Hawai‘i and the United States. The Association is the oldest Hawaiian community-based grassroots organization. The Association is governed by a

16-member Board of Directors; advocates for improved welfare of Native Hawaiians in culture, health, economic development, education, social welfare, and nationhood; and perpetuates and preserves language, history, music, dance and other Native Hawaiian cultural traditions.

Mahalo for allowing us to share our *mana* 'o.

Me ka 'oia 'i 'o,

Hailama Farden
Pelekikena

ASSOCIATION OF HAWAIIAN CIVIC CLUBS

A RESOLUTION

No. 2018 – 32

URGING THE STATE OF HAWAI‘I AND COUNTY GOVERNMENTS TO PRESERVE NATIVE HAWAIIAN CULTURE AND COMMUNITIES AGAINST THE IMPACTS OF SEA LEVEL RISE AND CLIMATE CHANGE

WHEREAS, the Hawai‘i Sea Level Rise Vulnerability and Adaptation Report, issued by the Hawai‘i Climate Change Mitigation and Adaptation Commission in December 2017, offers a State-wide assessment of Hawai‘i’s vulnerability to climate change and sea level rise; and

WHEREAS, the report highlights the risks sea level rise could have on Native Hawaiian cultural resources, practices, and communities located next to and dependent upon coastal access, and specifically, the report identifies 550 at-risk Native Hawaiian cultural sites under a 3.2 foot sea level rise scenario; and

WHEREAS, many of these flood areas that will be affected by sea level rising are areas where many Native Hawaiians live; and

WHEREAS, these at-risk sites include iwi kūpuna, heiau, Hawaiian Home Lands communities, and fishponds, or any site within the 25,800 acre sea level rise exposure area (SLR-XA) identified by the report; and

WHEREAS, the Honolulu Climate Change Commission issued guidelines in July 2018 for the State of Hawai‘i and county governments to expect 3.2 feet of sea level rise by mid-century, and 6 feet of sea level rise by end of century, these guidelines, based on recent studies adding in glacial melt scenarios, nearly double the Intergovernmental Panel on Climate Change’s forecasts of 3.2 feet of sea level rise by 2100, and these new forecasts could result in an additional 10,000 acres added to the SLR-XA state wide; and

WHEREAS, the City and County of Honolulu Mayor Kirk Caldwell released a directive to all city departments to plan culturally appropriate adaptation strategies for the impacts of climate change and sea level rise based on Honolulu Climate Change Commission guidelines, all future projects undertaken by city departments in Honolulu must account for sea level rise, and existing projects including Honolulu Rail Transit must also reflect climate change risks in decision making; and

WHEREAS, at its first annual convention on September 3, 2018, the Maui Council of the Association of Hawaiian Civic Clubs adopted this same resolution.

NOW, THEREFORE, BE IT RESOLVED, by the Association of Hawaiian Civic Clubs at its 59th Annual Convention in Kalapaki, Kaua‘i, in the malama of Welehu and the rising of ‘Olepau, this 17th day of November 2018, urging the State of Hawai‘i and County Governments to preserve Native Hawaiian culture and communities against the impacts of sea level rise and climate change; and

BE IT FURTHER RESOLVED, the Association of Hawaiian Civic Clubs urges the State of Hawai‘i to develop an archipelagic-wide inventory of Native Hawaiian cultural resources and practices impacted by sea level rise, to work with Native Hawaiian communities to create culturally-based adaptation processes and protocols to preserve Native Hawaiian cultural resources and practices, and to develop plans in concert with Native Hawaiian communities to maintain access to coastal lands and waters; and

BE IT FURTHER RESOLVED, that the Association of Hawaiian Civic Clubs urges its members to reach out to their lawmakers to encourage policy development around climate change, sea level rise, and cultural site preservation, both within Hawai‘i and in the states in which Hawaiian Civic Clubs are present; and

BE IT FURTHER RESOLVED, that a certified copy of this resolution be transmitted to the Governor of the State of Hawai‘i, President of the State Senate, Speaker of the State House of Representatives, Chair of the State Senate Committee on Hawaiian Affairs, Chair of the State House Committee on Ocean, Marine Resources & Hawaiian Affairs, Chair of the Board of Trustees of the Office of Hawaiian Affairs, and all County Mayors.



The undersigned hereby certifies that the foregoing Resolution was duly adopted in the malama of Welehu and the rising of ‘Olepau on the 17th day of November 2018, at the 59th Annual Convention of the Association of Hawaiian Civic Clubs in Kalapaki, Kaua‘i.


Annelle C. Amaral, President



SB 690, RELATING TO CLIMATE CHANGE

FEBRUARY 7, 2019 · SENATE AGRICULTURE AND ENVIRONMENT, WATER AND LAND, AND GOVERNMENT OPERATIONS COMMITTEES · CHAIRS SENATORS MIKE GABBARD, KAIALI'I KAHELE, AND LAURA H. THIELEN

POSITION: Support.

RATIONALE: IMUAlliance supports SB 690, relating to climate change, which implements the recommendations of the Hawai'i Sea Level Rise Vulnerability and Adaptation Report issued by the Hawai'i Climate Change Mitigation and Adaptation Commission.

According to a report produced by the Hawai'i Climate Change Mitigation and Adaptation Commission, global sea levels could rise more than three feet by 2100, with more recent projections showing this occurring as early as 2060. In turn, over the next 30 to 70 years, approximately 6,500 structures and 19,800 people statewide will be exposed to chronic flooding. Additionally, an estimated \$19 billion in economic loss would result from chronic flooding of land and structures located in exposure areas. Finally, approximately 38 miles of coastal roads and 550 cultural sites would be chronically flooded, on top of the 13 miles of beaches that have already been lost on Kaua'i, O'ahu, and Maui to erosion fronting shoreline armoring, like seawalls.

As we work to reduce carbon emissions and stave off the worst consequences of climate change, we must begin preparing for the adverse impact of sea level rise on our shores. We are now quantifying the speed at which we must act. We cannot continue to develop the 25,800-acre statewide sea level rise exposure area—one-third of which is designated for urban use—without risking massive structural damage and, potentially, great loss of life.

SB-690

Submitted on: 2/6/2019 3:48:02 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	Testifying for O`ahu County Committee on Legislative Priorities of the Democratic Party of Hawai`i	Support	No

Comments:

SB-690

Submitted on: 2/6/2019 4:54:20 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Stuart Coleman	Testifying for Surfrider Foundation	Support	No

Comments:

Dear Committee Members,

As the Hawaii Manager of the Surfrider Foundation, I support this bill to codify the Climate Change and Sea Level Rise studies into the state's agencies for planning.

Aloha, Stuart Coleman, Surfrider Foundation



Luna O Na Papa Alakai

Pelekikena
A. Makana Paris

Hope Pekekikena
Ekahi
Randi Fernandez

Hope Pelekikena
Elua
Matthew Gumapac

Puuku
Denise Kekuna

Kakauolelo Hoopaa
Sai Furukawa

Kakauolelo Hooholo
Palapala
Kamuela Werner

Pelekikena Hala
Koke
Yvonne 'PeeWee'
Ryan

Luna Alakai
Kuni Agard
Puamana Crabbe
Kanani Pali
Marlene Sai
Jennifer Smythe
Bruce Wong

Mailing Address:
P.O. Box 4728
Honolulu ~ Hawaii
96812

www.pkhcc.org

Founded in 1964
by Liliuokalani
Kawananakoa Morris

Agriculture and Environment
Water and Land
Government Operations

Thursday, February 7, 2019
2:45 pm Conference Room 225
State Capitol
415 South Beretania Street

Re: SB690 - RELATING TO CLIMATE CHANGE

Aloha Chair Gabbard, Vice-Chair Ruderman, Chair Kahele, Vice-Chair Keith-Agaran, Chair Thielen, Vice-Chair Inouye and honorable members:

The Prince Kūhiō Hawaiian Civic Club (PKHCC) **SUPPORTS THE INTENT** of SB690. This bill implements the recommendations of the Hawai'i Sea Level Rise Vulnerability and Adaptation Report issued by the Hawai'i Climate Change Mitigation and Adaptation Commission. At its 59th annual convention, the Association adopted resolution 2018-32, urging the State of Hawai'i to develop policies to address the impacts climate change and sea level rise, with special attention to Native Hawaiian culture and communities. We learn from the wisdom of the Hawaiian people that "*he ali 'i ka 'āina; he kauā ke kanaka,*" the land is chief while humans are its servant. Given the knowledge we have today regarding climate change and sea level rise, we would be remiss to not listen to the 'āina and prepare for the changes that are here now and will come in the near future.

Founded in 1964, PKHCC was organized to promote the education and social welfare of people of Hawaiian ancestry and objectives include supporting high ethical standards in business, industry and the professional fields of enterprise.

PKHCC urges the committee to **PASS** HB1702.

Me ke aloha,

A. Makana Paris
Pelekikena
president@pkhcc.org

SB-690

Submitted on: 2/6/2019 9:28:01 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Angus Raff-Tierney	Testifying for Society for Hawaiian Archaeology	Support	No

Comments:

I am Angus Raff-Tierney, Legislative Committee Chair of the Society for Hawaiian Archaeology. We have over 150 members that include professional archaeologists and other proponents of historic preservation. I am writing testimony in support of SB690 and believe most archaeologists would agree because it focuses the State Historic Preservation Division of the Department of Land and Natural Resources to protect burials, traditional practices, and archaeology sites that are in danger of washing away. It accomplishes this by inserting language into Section 6E-3. We can see the importance of having a plan to protect burials when we look at the devastation to the at the Paia cemetery on Maui.

Please pass this bill and encourage your colleagues to provide appropriate funding to implement it's measures.

SB-690

Submitted on: 2/2/2019 10:27:26 AM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Erica Scott	Individual	Support	No

Comments:

SB-690

Submitted on: 2/2/2019 2:52:29 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Louise Storm	Individual	Support	No

Comments:

I am especially concerned about the building going on in Kakaako, which I understand will be one of the areas impacted in the near future.

SB-690

Submitted on: 2/4/2019 7:06:17 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Brian Santiago	Individual	Oppose	No

Comments:

Another total waste of money on climate change bullshit.

SB-690

Submitted on: 2/5/2019 1:34:59 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
ChristopherMcCullough	Individual	Support	No

Comments:

SB-690

Submitted on: 2/5/2019 2:21:00 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Chezlani Casar	Individual	Support	No

Comments:

SB-690

Submitted on: 2/5/2019 3:35:34 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Pablo Beimler	Individual	Support	No

Comments:

SB-690

Submitted on: 2/6/2019 5:21:32 AM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Kamuela Werner	Individual	Support	No

Comments:

Aloha:

I strongly **SUPPORT** SB690.

Me ke aloha,

Kamuela Werner

Wai'anae, O'ahu

SB-690

Submitted on: 2/6/2019 5:53:00 AM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Robin Kaye	Individual	Support	No

Comments:

It will be important for all agencies and citizens to focus on sea level rise before we are underwater. Please support this bill

SB-690

Submitted on: 2/6/2019 7:23:16 AM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Randy Ching	Individual	Support	No

Comments:

Chairs Gabbard, Kahele, Thielen; Vice Chairs Ruderman, Keith-Agaran, Inouye; members of the committees,

I strongly support SB690. We need to pay close attention to sea level rise. It is increasing at a rate never seen before. Our policy should reflect this situation.

SB 690 requires all state departments and agencies to implement recommendations of the Hawai`i Sea Level Rise Vulnerability and Adaptation Report. I know this will take time, so now is a perfect ime to start. If we don't start implementation TODAY, we may not have enough time to avoid the worst consequences of climate change -- especially sea level rise.

Please pass SB690 so that we can have a future.

Mahalo for the opportunity to testify.

Randy Ching

Honolulu (makikirandy@yahoo.com)

SB-690

Submitted on: 2/6/2019 2:13:56 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Phaethon Keeney	Individual	Support	No

Comments:

Please support all climate change prevention and mitigation bills this session, we're counting on you folks, thanks!

SB-690

Submitted on: 2/6/2019 8:15:02 PM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Nancy Davlantes	Individual	Support	No

Comments:

SB-690

Submitted on: 2/7/2019 9:16:27 AM

Testimony for AEN on 2/7/2019 2:45:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Hershey	Individual	Support	No

Comments:

SB 690