

# OFFICE OF PLANNING STATE OF HAWAII

DAVID Y. IGE  
GOVERNOR

LEO R. ASUNCION  
DIRECTOR  
OFFICE OF PLANNING

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Statement of  
**LEO R. ASUNCION**  
Director, Office of Planning  
before the  
**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**  
Tuesday, March 13, 2018  
8:30 AM  
State Capitol, Conference Room 325

in consideration of  
**SB3068, SD2**  
**RELATING TO CLIMATE CHANGE.**

Chair Lee, Vice Chair Lowen, and Members of the House Committee on Energy & Environmental Protection.

SB3068, SD2 implements the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report (SLR Report) issued by the Hawaii Climate Change Mitigation and Adaptation Commission (Climate Commission) across multiple agencies and statutory frameworks and makes appropriations. The Office of Planning (OP) respectfully offers the following comments:

Overall, OP commends SB3068, SD2 for recognizing the magnitude of the problem that is sea level rise (SLR) for the State of Hawaii, the immediate need to address the issue and the many different State agencies and departments and county partners needed to tackle the various concerns surrounding SLR.

In general the purpose of SB3068, SD2, as set forth in Part I, at pg. 3, lines 1-3, is to “implement the recommendations of the [SLR Report].” OP comments that the SLR Report, at pg. ii, specifically states that it “should be used strictly as a planning reference tool and not for permitting, or other legal purposes.” SLR Report at pg. ii (emphasis added). The SLR Report additionally states, at pg. ii, that:

[t]he data, maps, and recommendations provided should be used only as a screening-level resource to support management decisions to address sea level rise. As with all remotely sensed data, all features should be verified with a site visit. The risk associated with use of the results is assumed by the user.

Therefore, the findings and data from the SLR Report should only be used to provide support for SLR adaptation and planning and it is currently premature to require

state and county agencies to use data and integrate recommendations from the SLR Report in their planning and inventory of lands, as the SLR Report explicitly states that it is only useful as a “screening-level resource” and should not be used for “legal purposes”.

Should the Committee determine that the measure be passed, OP provides the following recommendations related to SB3068, SD2 provisions relative to OP:

- 1) Part II (amending Hawaii Revised Statutes (HRS) Chapter 27, State Functions and Responsibilities), at pg. 3, lines 14 - 21, requires departments and agencies to assess whether their regulatory frameworks support the smart redevelopment of urban areas as part of SLR adaptation planning with the first review to be completed no later than July 1, 2019 and subsequent reviews to be conducted at least once every five years.

OP is concerned that, departments and agencies, including OP, will not have adequate time to properly review their policies if the first review is required to be completed by July 2019.

- 2) Part II (amending Hawaii Revised Statutes (HRS) Chapter 27, State Functions and Responsibilities), at pg. 7, lines 1 - 4, defines “sea level rise exposure area” (SLR-XA) to mean the sea level rise exposure area identified and officially designated by the Climate Commission or successor entity. SB3068, SD2’s definition for SLR-XA is unclear as to whether it is merely referring to the flooding hazards or to the actual SLR scenarios – 0.5 feet, 1.1 feet, 2.0 feet and 3.2 feet – contemplated in the SLR Report and viewed on the SLR Viewer. This ambiguity should be clarified in SB3068, SD2 wherever SLR-XA is discussed.

Further, the Climate Commission's action at its December 21, 2017 meeting solely accepted the SLR Report to meet the deadline for which the report would become public, pursuant to HRS § 225P-3(n). The Climate Commission's action did not include officially designating the SLR-XA.

- 3) For Part IV (amending HRS Chapter 225M, State Planning), OP notes that its existing statutory purpose and powers, as set forth in HRS § 225M-2, may need to be broadened to implement the additional duties proposed under Part IV (page 15, line 1 to page 20, line 4) of SB3068, SD2.
- 4) OP will require significant additional resources to address the tasks assigned under Part IV of SB3068, SD2. The initiatives under Part IV require specific expertise that OP does not presently have in areas of financing, economics, appraisal, acquisition, and taxation.

OP estimates that approximately \$2,350,000.00 would be needed to procure consultant services to effectuate the tasks outlined in Part IV of SB3068, SD2, provided that such appropriation does not replace or adversely impact priorities indicated in the Executive Budget.

- 5) For Part VI (amending HRS Chapter 205A, Coastal Zone Management) OP has concerns related to the amendments specific to sea level rise.
  - a. Page 35, Lines 18-19 seek to “Identify coastal areas that are vulnerable to sea level rise.” These areas have been identified in the SLR Report, with various levels of inundation up to 3.2 feet. Thus, it is unclear what further should be identified.
  - b. Page 35, Lines 20-21 through Page 36, Lines 1-2 seek to “control development in areas subject to sea level rise and associated hazards, including coastal flooding, erosion, storm surge from tropical cyclones, beach loss, and pollution.” Narrowing these considerations specific to areas that are subject to SLR does not allow for proper evaluation of development outside of SLR areas related to coastal hazards which are currently addressed under HRS Chapter 205A-2 (c) (6) Coastal Hazards.
  - c. Page 36, Lines 3-6 seek to “promote development that takes into consideration adaptation strategies for accommodation, protection, and retreat in response to sea level rise.” The term “promote development” is unclear. Provided that a majority of the areas identified in the SLR Report fall under the jurisdiction of the counties, OP seeks clarification for the specific intent of this amendment. As permitting agencies, it is not the role of permitting authorities to promote development, rather manage it using existing policies and regulations.

Thank you for the opportunity to comment on this measure.

DAVID Y. IGE  
GOVERNOR OF  
HAWAII



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

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

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

**ROBERT K. MASUDA**  
FIRST DEPUTY

**JEFFREY T. PEARSON, P.E.**  
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

**Testimony of  
SUZANNE D. CASE  
Chairperson**

**Before the House Committee on  
ENERGY & ENVIRONMENTAL PROTECTION**

**Tuesday, March 13, 2018  
8:30 AM  
State Capitol, Conference Room 325**

**In consideration of  
SEANTE BILL 3068 SENATE DRAFT 2  
RELATING TO CLIMATE CHANGE**

Senate Bill 3068, Senate Draft 2 proposes to require all state and county agencies to implement the recommendations of the recently completed Hawaii Sea Level Rise Vulnerability and Adaptation Report. **The Department of Land and Natural Resources (Department) appreciates the intent of this measure, and offers the following comments.**

While the Department appreciates the Legislature's prompt action to implement the Sea Level Rise Report's recommendations, the Department expects all the involved governmental agencies would like an opportunity to vet the recommendations and then report back to the Legislature the next session with focused recommendations.

We intend to accomplish this through Act 32, Session Laws of Hawaii (SLH), 2017. Act 32, SLH 2017, established the Hawaii Climate Change Mitigation and Adaptation Commission (Climate Commission). The Climate Commission accepted the Sea Level Rise Report in December 2017. The Climate Commission intends to set an aggressive climate mitigation and adaptation agenda over the next 10 months in which we will progress towards our goals of reducing carbon emissions and adapting to sea level rise. The Department envisions forming a Sea Level Rise working group that will work with state and county agencies, the business community, and the public on efforts that must be undertaken to improve our resiliency in the face of sea level rise. We will surely be developing a legislative package for next year's session.

Thank you for the opportunity to comment on this measure.

OFFICE OF CLIMATE CHANGE, SUSTAINABILITY AND RESILIENCY  
**CITY AND COUNTY OF HONOLULU**

650 SOUTH KING STREET, 9<sup>TH</sup> FLOOR • HONOLULU, HAWAII 96813  
PHONE: (808) 768-2277 • EMAIL: [resilientoahu@honolulu.gov](mailto:resilientoahu@honolulu.gov) • INTERNET: [www.resilientoahu.org](http://www.resilientoahu.org)



KIRK CALDWELL  
MAYOR

JOSHUA W. STANBRO  
EXECUTIVE DIRECTOR &  
CHIEF RESILIENCE OFFICER

TUESDAY, MARCH 13, 2018 8:30AM  
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

**TESTIMONY ON SENATE BILL 3068 SD2  
A BILL RELATING TO CLIMATE CHANGE**

BY,

JOSHUA STANBRO  
EXECUTIVE DIRECTOR & CHIEF RESILIENCE OFFICER  
OFFICE OF CLIMATE CHANGE, SUSTAINABILITY AND RESILIENCY

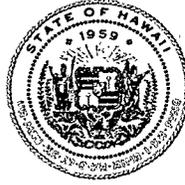
Dear Chair Lee, Vice Chair Lowen and Committee Members:

The City and County of Honolulu (City) Office of Climate Change, Sustainability and Resiliency (CCSR) **supports the intent** of Senate Bill (SB) 3068 SD2, which strives to implement the recommendations of the 2017 Hawaii Sea Level Rise Vulnerability and Adaptation Report (SLR Report).

With respect to those parts of SB 3068 SD2 that touch upon or direct processes at the county level, the City has already begun to include sea level rise and other climate change considerations into its long range policy plans and hazard mitigation planning. We have also been requesting that climate change impacts be defined for major land use proposals. The City also established via City Charter our permanent office which has quickly built capacity to coordinate policies and departmental action to plan for and address climate change impacts including sea level rise. The existing frameworks for environmental review and planning and permitting facilitate the ability to consider climate change and sea level rise impacts and implement various recommendations of the 2017 SLR Report, and CCSR's City Charter mandate requires such integrated City actions and policies.

While we support the concept of proactive actions such as comprehensive regional market assessments, identification of priority redevelopment areas, and participation in the community rating system called for in this bill, we are concerned that this bill mandates City actions and reporting without funding to carry them out. These are not one-time costs, but reflect an ongoing commitment. These activities are not currently in the City's budget and we request that SB 3068 SD2 include permanent funding to assist the City and other counties in this work.

Thank you for the opportunity to testify.



REVISED

Testimony by:  
JADE T. BUTAY  
DIRECTOR

Deputy Directors  
ROY CATALANI  
ROSS M. HIGASHI  
EDWIN H. SNIFFEN  
DARRELL T. YOUNG

IN REPLY REFER TO:

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

March 13, 2018  
8:30 a.m.  
State Capitol, Room 325

**S.B. 3068, S.D. 2  
RELATING TO CLIMATE CHANGE**

House Committee on Energy and Environmental Protection

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The Department of Transportation (DOT) appreciates the intent of this bill, which proposes to implement the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation report (Report) across various agencies and levels of government. DOT offers the following comments.

We note that the disclaimer within the Report states that it “should be used strictly as a planning reference tool and not for permitting, or other legal purposes.” Therefore, we respectfully submit that the recommendations of the report should not be deployed rapidly through translation into broad directives and legislation but rather to provide a framework for agencies to look at how the findings of the report can be integrated into its planning. Further, as the Report was released at the end of 2017, it would be premature to mandate agencies integrate recommendations from the Report without time to evaluate how to adapt them to their statutory framework.

While the DOT commends the Legislature’s quick response to the Report, the DOT believes that there is substantial coordination to be undertaken between State and County agencies and there likely will be significant additional statutory amendments that need to be considered, analyzed and proposed to the Legislature in order to systematically and effectively implement the recommendations of the Report. We join in the recommendation of the Department of Land and Natural Resources (DLNR), as stated in its earlier testimony, to provide the DLNR with an opportunity to coordinate recommendations contained within the Report with other state and county agencies, and then report back to the Legislature next session with targeted recommendations.

Thank you for the opportunity to provide testimony.

**DAVID Y. IGE**  
Governor

**DOUGLAS CHIN**  
Acting Lieutenant Governor

**LUIS P. SALAVERIA**  
Director

**MARY ALICE EVANS**  
Deputy Director



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

**DANIEL ORODENKER**  
Executive Officer

**Bert K. Saruwatari**  
Planner  
**SCOTT A.K. DERRICKSON AICP**  
Planner

**RILEY K. HAKODA**  
Chief Clerk/Planner

**FRED A. TALON**  
Drafting Technician

Statement of  
**Daniel E. Orodenker**  
**Executive Officer**  
Land Use Commission  
Before the  
**House Committee on Energy and Environmental Protection**  
Tuesday March 13, 2018  
8:30 AM  
State Capitol, Conference Room 325

**LATE**

In consideration of  
**SB 3068 SD2**  
**RELATING TO CLIMATE CHANGE**

Chair Lee; Vice Chair Lowen; and members of the Committee on Energy and Environmental Protection:

The Land Use Commission (LUC) supports the intent of SB 3068 SD2 in that it seeks to implement provisions of the Hawai`i Sea Level Vulnerability and Adaptation Report.

Adding authority to implement the State Sea Level Vulnerability and Adaptation Report provides the LUC with additional policy guidance and clarity with regard to criteria for decision making. We defer to other agencies and organizations regarding other sections of the proposed measure that may impact their programs.

The LUC is currently in the process of amending its administrative rules and will be considering changes to require applicants to address climate change and sea level rise in applications coming before the LUC.

Thank you for the opportunity to testify on this matter.



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P. O. Box 3378  
Honolulu, HI 96801-3378  
doh.testimony@doh.hawaii.gov

**LATE**

**Testimony COMMENTING on SB3068 SD2  
RELATING TO CLIMATE CHANGE**

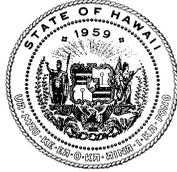
Hearing Date: March 13, 2018  
Time: 8:30 a.m.

Room Number: 325

1 **Fiscal Implications:** The Department of Health (Department) would need resources to conduct a  
2 sea level rise mitigation review as noted in the measure.

3 **Department Testimony:** We appreciate and support the intent of this initiative, but defer to the  
4 Governor's Executive Supplemental Budget Request for the Department's appropriations and  
5 personnel priorities. The Department agrees that climate change poses immediate and long-term  
6 threats to the State's economy, sustainability, security, and way of life. The Department currently  
7 does not have the staff and expertise to conduct a sea level rise mitigation review of hazardous  
8 material and waste storage facilities, underground storage tanks and on-site sewage disposal  
9 systems or wastewater treatment facilities. Therefore, the Department recommends studies such as  
10 these should be in collaboration and concert with the Hawai'i Climate Change Mitigation and  
11 Adaptation Commission as part of a more comprehensive examination of sea level rise impact.

12 Thank you for the opportunity to testify on this measure.



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P. O. Box 3378  
Honolulu, HI 96801-3378  
doh.testimony@doh.hawaii.gov

**LATE**

**Testimony COMMENTING on SB3068 SD2  
RELATING TO CLIMATE CHANGE**

Hearing Date: March 13, 2018  
Time: 8:30 a.m.

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- 5 personnel priorities. The Department agrees that climate change poses immediate and long-term
- 6 threats to the State's economy, sustainability, security, and way of life. The Department currently
- 7 does not have the staff and expertise to conduct a sea level rise mitigation review of hazardous
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- 10 these should be in collaboration and concert with the Hawai'i Climate Change Mitigation and
- 11 Adaptation Commission as part of a more comprehensive examination of sea level rise impact.
  
- 12 Thank you for the opportunity to testify on this measure.

**Bernard P. Carvalho Jr.**  
Mayor



**Michael A. Dahilig**  
Director of Planning

**Wallace G. Rezentes Jr.**  
Managing Director

**Ka'āina S. Hull**  
Deputy Director of Planning

**PLANNING DEPARTMENT**  
**County of Kaua'i, State of Hawai'i**  
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**LATE**

**Testimony Relating to Climate Change**  
**SB3068 SD2**  
**By Michael A. Dahilig**  
**Director of Planning, County of Kauai**

The Kauai County Planning Department **SUPPORTS** the intent of SB 3068 implements the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report issued by the Hawaii Climate Change Mitigation and Adaptation Commission (Climate Commission).

However, as a member of the Climate Commission we have concerns regarding implementation as the report specifically states that the report “should be used strictly as a planning reference too and **not for** permitting, or other legal purposes.”

The Climate Commission needs more time to review the recommendations in the report and provide a framework for implementation along with some budget considerations.

Thank you for the opportunity to comment.

**SB-3068-SD-2**

Submitted on: 3/12/2018 5:31:36 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	OCC Legislative Priorities Committee, Democratic Party of Hawai'i	Support	No

Comments:

PRESENTATION OF THE  
OAHU COUNTY COMMITTEE ON LEGISLATIVE PRIORITIES  
DEMOCRATIC PARTY OF HAWAII  
TO THE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
THE HOUSE OF REPRESENTATIVES  
TWENTY-NINTH LEGISLATURE  
REGULAR SESSION OF 2018

Tuesday, March 13, 2018

8:30 p.m.

Hawaii State Capitol, Conference Room 325

RE: Testimony in **Support** of **SB3068 SD2**, RELATING TO CLIMATE

CHANGE

To the Honorable Chris Lee, Chair; the Honorable Nicole E. Lowen, Vice-Chair and Members of the Committee on Energy & Environmental Protection:

Good morning. My name is Melodie Aduja. I serve as Chair of the Oahu County Committee ("OCC") Legislative Priorities Committee of the Democratic Party of Hawaii. Thank you for the opportunity to provide written testimony on **SB3068 SD2** relating to the State; Counties; Climate Change; Sea Level Rise Mitigation; and an appropriation.

The OCC Legislative Priorities Committee is in favor of **SB3068 SD2** and strongly supports its passage as it implements the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report issued by the Hawaii Climate Change Mitigation and Adaptation Commission and makes appropriations.

**SB3068 SD2** is in accord with the Platform of the Democratic Party of Hawai'i ("DPH") which provides that "[w]e know that climate change is a real threat to our islands and the world. We strongly urge our candidates and elected officials to take immediate action to mitigate and adapt to the consequences of climate change. This includes funding adaptation measures including coastal retreat, effective participation of indigenous peoples in climate change governance, and recognition that indigenous, local, and traditional ecological knowledge is key in climate change adaptation solutions." (Platform of the DPH, P. 8, 435-439 (2016)).

Given that **SB3068 SD2** implements the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report issued by the Hawaii Climate Change

Mitigation and Adaptation Commission and makes appropriations, it is the position of the OCC Legislative Priorities Committee to strongly support this measure.

Thank you very much for your kind consideration.

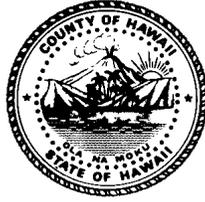
Sincerely yours,

/s/ Melodie Aduja

Melodie Aduja, Chair, OCC Legislative Priorities Committee

Email: legislativepriorities@gmail.com, Text/Tel.: (808) 258-8889

Harry Kim  
Mayor



**LATE**

Michael Yee  
Director

Daryn Arai  
Deputy Director

West Hawai'i Office  
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**County of Hawai'i**  
**PLANNING DEPARTMENT**

East Hawai'i Office  
101 Pauahi Street, Suite 3  
Hilo, Hawai'i 96720  
Phone (808) 961-8288  
Fax (808) 961-8742

March 12, 2018

Testimony by  
**MICHAEL YEE**  
**Director, County of Hawai'i Planning Department**  
before the  
**Committee on Energy & Environmental Protection**  
**Tuesday, March 13, 2018, 8:30AM, Room 325**  
in consideration of  
**SB 3068, SD2**  
**Relating to Climate Change**

Given the geography of our shorelines on Hawai'i Island, we recommend revising Section 225M-B(1) : "The property being sold or relocated from is adjacent to a beach or low lying coasts that is at risk of disappearing due to sea level rise: and"

It is certainly critical that Counties and State address sea level rise and recommend that sufficient funds are provided to accomplish the provisions of the bill.



To: The House Committee on Energy & Environmental Protection  
From: Brodie Lockard, 350Hawaii.org, 808-262-1285  
Date: Tuesday, March 13, 2018

In strong support of SB 3068 SD2

Dear Chair Lee, Vice Chair Lowen and Committee members,

I am the founder of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org strongly supports SB 3068 SD2.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support SB 3068 SD2, so we can fill this gap in our knowledge of Hawaii's climate change immediately.

Thank you for the opportunity to testify.

Brodie Lockard  
350Hawaii.org



## HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Tuesday, March 13, 2018 8:30 AM Conference Room 325

### IN SUPPORT OF SB 3068 SD2

Relating to Climate Change

Aloha Chair Lee, Vice-Chair Lowen, and Committee Members:

The **HAWAI'I REEF AND OCEAN COALITION – HIROC**– was formed last year by coral reef scientists, educators, local Hawai'i environmental organizations, elected officials, and others to address a crisis facing Hawaii's coral reefs and ocean. We are currently asking the Legislature to pass a handful of very important bills to save our coral reefs – they are bills relating to sunscreens, plus bills on cesspools; Styrofoam; plastic marine debris; and sea level rise.

**HIROC supports SB 3068 SD2**, a comprehensive bill to implement the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report (the Report) issued by the Hawaii 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, implementation of 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 will be made in 2018, 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 3068 SD2 for their initiative in providing legislation to implement the Report's recommendations during 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 Hawaii sea level rise vulnerability and adaptation report; and

(2) **PART XII**, to implement parts of the Hawaii sea level vulnerability and adaptation report relating to the Hawaii climate change mitigation and adaptation commission. These include requirements for the Climate Commission to promote, monitor, and report the progress on implementation of the recommendations of the Sea Level Rise Vulnerability and Adaptation Report, including community engagement strategies.

We note that other bills have been introduced to implement, or augment, some of the Report's key recommendations. They include SB 2965 SD1 Relating to the Hawai'i Climate Change Mitigation and Adaptation Initiative, SB 2334 SD2 Relating to Planning, and SB 2977 SD1 Relating to Greenhouse Gas Emissions, which are also being heard before your Committee.

Where there may be an overlap in subject matter between SB 3068 SD2 and one of the aforementioned bills, we recommend adoption of the relevant language of the other bill since it has gone through the legislative process providing opportunities for affected agencies and other stakeholders to recommend appropriate statutory language.

In summary, we support this bill and encourage its passage.

Mahalo for the opportunity to present this testimony.

Submitted by Dave Raney on behalf of the Hawai'i Reef and Ocean Coalition.



SIERRA CLUB OF HAWAI'I  
MĀLAMA I KA HONUA. *Cherish the Earth.*

## HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

Tuesday, March 13, 2018 8:30AM Conference Room 325

In **SUPPORT of SB 3068 SD2** Relating to climate change

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Aloha Chair Lee, Vice Chair Lowen and members of the Committee,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i, a member of the Common Good Coalition, **supports SB 3068 SD2**, a comprehensive bill to implement the recommendations of the Hawai'i Sea Level Rise Vulnerability and Adaptation Report<sup>1</sup> (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, implementation of 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 will be made in 2018, 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 3068 SD2 for their initiative in providing legislation to implement the Report's recommendations during 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

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<sup>1</sup> [https://climateadaptation.hawaii.gov/wp-content/uploads/2017/12/SLR-Report\\_Dec2017.pdf](https://climateadaptation.hawaii.gov/wp-content/uploads/2017/12/SLR-Report_Dec2017.pdf)

(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.

We note that other bills which we support have been introduced to implement, or augment, some of the Report's key recommendations. They include SB 2965 SD1 Relating to the Hawai'i Climate Change Mitigation and Adaptation Initiative, SB 2334 SD2 Relating to Planning, and SB 2977 SD1 Relating to Greenhouse Gas Emissions; all being heard before your Committee today. These bills, along with SB 3068 SD2, are important mechanisms with which to combat the very real effects of climate change that has already started to impact our islands.

In summary, **we support SB 3068 SD2** and encourage its passage.

Mahalo for the opportunity to testify on this important measure.



 | 808-733-7060

 | 808-737-4977

 | 1259 A'ala Street, Suite 300  
Honolulu, HI 96817

March 13, 2018

**The Honorable Chris Lee, Chair**

House Committee on Energy & Environmental Protection  
State Capitol, Room 325  
Honolulu, Hawaii 96813

**RE: S.B. 3068 SD2, Relating to Climate Change**

**HEARING: Tuesday, March 13, 2018, at 8:30 a.m.**

Aloha Chair Lee, Vice Chair Lowen and Members of the Committee,

I am Ken Hiraki, Director of Government Affairs, here to testify on behalf of the Hawai'i Association of REALTORS® ("HAR"), the voice of real estate in Hawai'i, and its over 9,500 members. HAR **provides comments on** S.B. 3068, SD2 which implements the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report issued by the Hawaii Climate Change Mitigation and Adaptation Commission.

Under Part XI of this measure, it would require that mandatory seller disclosures in real estate transactions include identification of residential real properties lying within a sea level rise exposure area.

HAR has created an Oceanfront Property Addendum which discloses pertinent information specific to the ownership of oceanfront property. It is HAR's industry practice to create forms that exceed what is called for via laws, rules and regulation. As such, this section of the measure may not be necessary.

If the Committee is inclined to pass the measure, HAR respectfully requests an effective date of November 1, 2018, for Part XI. This will allow our Standard Forms Committee to make changes to the Seller's Real Property Disclosure Statement to be consistent with this measure.

Mahalo for the opportunity to testify on this measure.



**LATE**

**SB-3068-SD-2**

Submitted on: 3/12/2018 4:39:13 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lisa Bishop	Friends of Hanauma Bay	Support	No

Comments:

## BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU  
630 SOUTH BERETANIA STREET  
HONOLULU, HI 96843  
www.boardofwatersupply.com



**LATE**

March 13, 2018

KIRK CALDWELL, MAYOR

BRYAN P. ANDAYA, Chair  
KAPUA SPROAT, Vice Chair  
DAVID C. HULIHEE  
KAY C. MATSUI  
RAY C. SOON

ROSS S. SASAMURA, Ex-Officio  
JADE T. BUTAY, Ex-Officio

ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

ELLEN E. KITAMURA, P.E.  
Deputy Manager and Chief Engineer

The Honorable Chris Lee, Chair  
and Members  
Committee on Energy and Environmental Protection  
State Capitol, Room 325  
Honolulu, Hawaii 96813

Dear Chair Lee and Members:

Subject: Senate Bill 3068, SD 2, Relating to Climate Change

The Honolulu Board of Water Supply (BWS) supports Senate Bill No. 3068, SD 2 relating to climate change which establishes State and County responsibilities and other strategies that supports the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report, dated December 2017 submitted by the Hawaii Climate Change Mitigation and Adaptation Commission. BWS is actively working with the City's Climate Change, Sustainability and Resiliency Office and participates in the City Resilience Team to plan for sea level rise.

The BWS recognizes that sea level rise and coastal erosion will impact the water distribution system in low lying and coastal areas and adaptation measures need to be prioritized, planned and implemented. BWS has already experienced difficulty in repairing main breaks along Ala Wai Boulevard, Ala Moana Boulevard and Nimitz Highway due to high water table levels during high tide. We anticipate sea level rise exacerbating water system maintenance and repair in the decades to come.

Thank you for your consideration of our testimony in support of Senate Bill 3068, SD 2.

Very truly yours,

ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

**SB-3068-SD-2**

Submitted on: 3/9/2018 5:37:50 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Benton Kealii Pang, Ph.D.	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/9/2018 10:22:39 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
janice palma-glennie	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/10/2018 12:41:40 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Rene Umberger	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 5:20:28 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mio Chee	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 5:23:42 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dyson Chee	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 5:28:17 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Micah Chee	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 5:38:14 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
David Chee	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 4:34:04 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lois Crozer	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 5:11:59 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
John Nix	Individual	Support	No

Comments:

Aloha,

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. Effective 07/01/2050. (SD2) Referred to EEP, FIN

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

John

**SB-3068-SD-2**

Submitted on: 3/11/2018 5:14:05 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Joan Gannon	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 6:39:34 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Patricia Blair	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 7:06:35 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sherry Pollack	Individual	Support	No

Comments:

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

**SB-3068-SD-2**

Submitted on: 3/11/2018 7:46:22 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Meredith Buck	Individual	Support	No

Comments:

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. Effective 07/01/2050. (SD2) Referred to EEP, FIN

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

**SB-3068-SD-2**

Submitted on: 3/11/2018 7:48:44 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
John NAYLOR	Individual	Support	No

Comments:

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION  
TUESDAY, MARCH 13, 8:30 AM, ROOM 325  
SB3068 SD2: RELATING TO CLIMATE CHANGE

TESTIMONY

Submitted by Bepie Shapiro, testifying as an individual

CHAIR LEE, VICE CHAIR LOWEN, AND MEMBERS OF THE COMMITTEE: I strongly support SB3068 SD2 which would begin the process of carrying out the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report (2017) issued by the Hawaii Climate Change Mitigation and Adaptation Commission, and would make appropriations to support this process.

The past two years have given residents of Hawaii, Maui and Oahu islands dramatic evidence of what rising seas have been predicted to do: threaten and erode beaches and beachfront property. To date there has been no state policy for how to react to the imminent threat of erosion, infrastructure impacts and beach deterioration, except for adding sand and building walls extending into the sea to try to redirect waves and protect certain sand beaches. Clearly a state policy is needed to address this lack of planning.

SB3068 SD2 assigns responsibility and provides funding so that this planning will begin - it is urgent!

Please pass this bill. Every island needs it.

Thank you for the opportunity to provide testimony.

**SB-3068-SD-2**

Submitted on: 3/11/2018 10:40:01 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
tlaloc tokuda	Individual	Support	No

Comments:

I belong to 350HI and we try to assist policy makers to create bills that promote renewables, keep fossil fuels in the ground and try to make State Funds join the divestment movement so we support the following:

Technological development and R&D in PV, Wind generation, battery storage and driving prices down so that wind and PV are competitive with coal without all the environmental, social, health, poverty externalities. So we should try and implement the United Nations' Global Goals.

**SB3068 SD2** Climate Change mitigation and adaptation

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. Effective 07/01/2050. (SD2) Referred to EEP, FIN

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.



**SB-3068-SD-2**

Submitted on: 3/11/2018 11:01:04 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
tia pearson	Individual	Support	No

Comments:

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

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. Effective 07/01/2050. (SD2) Referred to EEP, FIN

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

**SB-3068-SD-2**

Submitted on: 3/11/2018 11:10:58 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Philipp LaHaela Walter	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/11/2018 11:46:58 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Nanea Lo	Individual	Support	No

Comments:

To Whom It May Concern:

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

Nanea Lo

**SB-3068-SD-2**

Submitted on: 3/12/2018 12:19:36 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jonathan Boyne	Individual	Support	No

Comments:

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

**SB-3068-SD-2**

Submitted on: 3/12/2018 8:00:05 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Rebeca Zamora	Individual	Support	No

Comments:

**SB-3068-SD-2**

Submitted on: 3/12/2018 9:08:43 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tulsi Greenlee	Individual	Support	No

Comments:

Aloha,

Thank you for supporting this bill

Tulsi Greenlee

Haiku Hi 96708

**SB-3068-SD-2**

Submitted on: 3/12/2018 11:05:47 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
R. Kinslow	Individual	Support	No

Comments:

I support, there should be several citizen communicators on the panel

**SB-3068-SD-2**

Submitted on: 3/12/2018 12:37:36 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jordan Moniuszko	Individual	Support	No

Comments:

I strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

**SB-3068-SD-2**

Submitted on: 3/12/2018 1:14:36 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Asia Leong	Individual	Support	No

Comments:

Aloha,

I very strongly support SB3068 SD2, relating to climate change, which establishes State and County responsibilities, reporting and funding for sea level rise adaptation.

Implementing the recommendations of the Hawaii Sea Level Rise Vulnerability and Adaptation Report is important to the safety and well-being of Hawaii's residents. It will also give us a realistic view of the actual costs of adapting to climate change.

Sea level rise and coastal erosion will impact water systems in low lying and coastal areas. It is common sense that adaptation measures need to be planned and implemented. Perhaps the costs of coping with real climate change effects will expedite government efforts to fight it.

Please support this bill.

Thank you for the opportunity to testify.

Sincerely,

Asia Leong

**LATE**

**SB-3068-SD-2**

Submitted on: 3/12/2018 5:18:05 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Barbara Best	Individual	Support	No

Comments:

**LATE**

**SB-3068-SD-2**

Submitted on: 3/12/2018 6:36:14 PM  
Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ken Stover	Individual	Support	No

Comments:

**LATE**

**SB-3068-SD-2**

Submitted on: 3/13/2018 12:46:17 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Janet Pappas	Individual	Support	No

Comments:

Dear EEP and FIN committee members,

Please fund this bill (SB3068).

It has been determined by the Hawaii legislature through Act 32 that "climate change poses immediate and long-term threats to the State's economy, sustainability, security, and way of life" and that "climate change is not only real, but it is also the overriding challenge of the twenty-first century and one of the priority issues of the senate."

That being said, it is time to put our energy and funds into solving the issues that are already upon us before they become insurmountable.

Especially concerning to Hawaii (and all island and coastal regions) is the issue of sea level rise. SB3068 adds considerable detail to the initial report: define the responsibilities of each department and agency in the State, develop design standards for building in low-lying areas, develop guidance for developers, development of a pre- and post-disaster recovery framework, among other tasks. All of these tasks will require funding for personnel and other costs.

Without a clear, evidence-based plan as a guide, mitigating climate change will not happen and Hawaii's future generations will be left to face the consequences. Let's take action now with support and funding for SB3068.

Thank you.

Sincerely,

Jan Pappas

Aiea, Hawaii 96701