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LEO R. ASUNCION
DIRECTOR
OFFICE OF PLANNING

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

in consideration of
SB 2977, SD2
RELATING TO GREENHOUSE GAS EMISSIONS.

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

SB 2977, SD2 makes an appropriation to the Hawaii Climate Change Mitigation and Adaptation Commission (Climate Commission) to develop reports assessing the impact of the tourism on climate change no later than December 31, 2020; and requires the Climate Commission to reevaluate and update the said reports by July 1, 2022. The Office of Planning (OP) respectfully offers the following comments, provided that the appropriation does not adversely affect the priorities of the Executive budget.

- 1) SB 2977, SD2 specifically requires the Climate Commission to develop reports assessing the impact of the tourism industry on climate change when it is reasonable and cost-effective to do so. While OP appreciates that SB 2977, SD2 provides the Climate Commission with flexibility in developing the referenced reports, the exception of only providing reports when it is reasonable and cost-effective may cause the reports to be de-prioritized. In addition, in order to retain the intent of this measure to focus on inbound and outbound **travel** to the State, OP suggests amendments to Page 7, Lines 10-15 as follows:

“The commission shall develop reports assessing the impact of the tourism industry on transportation climate change effects unless it is demonstrably and objectively infeasible to do so; [~~provided that when it is reasonable and cost effective to do so,~~] the commission shall analyze and categorize the data collected to determine the contribution, if any, that the tourism industry has on transportation greenhouse gas emissions...”

- 2) OP notes that, the current timeline for the reports may be too ambitious given the need to collaborate with Climate Commission members to develop project scope, and comply with State Procurement process to secure a consultant to develop the report.
- 3) OP further suggests aligning SB 2977, SD2 with SB 2965, SD1, which requires the Climate Commission “develop a science-based carbon budget for Hawaii based on greenhouse gas analysis in the United Nations Intergovernmental Panel on Climate Change Fifth Assessment Report.” Specifically, SB 2965, SD1 provides that the Climate Commission “may also develop individual carbon budgets for Hawaii’s major energy use sectors, including electricity generation, ground transportation, marine, aviation, and industrial energy.”

Thank you for the opportunity to comment on this measure.

SB-2977-SD-2

Submitted on: 3/12/2018 5:50:27 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 **SB2977 SD2**, RELATING TO GREENHOUSE GAS EMISSIONS

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 **SB2977 SD2** relating to Climate Change; Hawaii Climate Change Mitigation and Adaptation Commission; Tourism; and an appropriation.

The OCC Legislative Priorities Committee is in favor of **SB2977 SD2** and strongly supports its passage as it instructs the Hawaii Climate Change Mitigation and Adaptation Commission to assess the effects of tourism on climate change and publish a report on its findings.

SB2977 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)).

We need to give priority to the development of "green" sustainable industries and businesses. We

need financial literacy and asset building programs to strengthen our 'ohana. Green commerce includes biodegradable or recycling packaging. We need to pursue relationships with the information technology industry. We need to invest in world-class higher education to stimulate our economic resources. We need to reduce our dependence on tourism, real estate development, and military. A diversified economy will help to create diversified jobs." (Platform of the DPH, P. 2, Lines 68-73, (2016)).

Given that **SB2977 SD2** instructs the Hawaii Climate Change Mitigation and Adaptation Commission to assess the effects of tourism on climate change and publish a report on its findings, 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



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 2977 SD2 Relating to greenhouse gas emissions

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 2977 SD2**, which calls for broadening the State's commitment to combat climate change by calling for the Hawai'i Climate Change Mitigation and Adaptation Commission to assess the role the tourism industry has on climate change.

One of the Sierra Club of Hawai'i's central objectives is to combat the effects of climate change as well as support efforts that slow its progression. The islands of Hawai'i are blessed with an abundance of natural resources, diverse ecosystems, and stunning beauty unparalleled elsewhere on the Earth, drawing millions of visitors each year. In fact, the Hawai'i Tourism Authority¹ projects visitor arrivals to breach 10 million in the next few years as tourism across the islands continues to boom.

According to the standing committee report on this bill, *about one-third of greenhouse gas emissions in the State are caused by aviation and marine transportation related to the tourism industry*. Assessing the impacts on climate change from this sector of the economy on climate change will help guide State policy priorities, including development of "green" sustainable industries and other alternatives to reduce over-dependence on the tourism industry.

Mahalo for the opportunity to provide testimony on this important measure.

Dave Raney
Climate Change Volunteer Leader
Capitol Watch

¹ <http://www.hawaiiitourismauthority.org/>



HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

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

IN SUPPORT OF SB 2977 SD2

Relating to the Hawai'i Climate Change Mitigation and Adaptation Initiative

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 2977 SD2, which calls for broadening the State's commitment to combat climate change by calling for the Hawaii climate change mitigation and adaptation commission to assess the role the tourism industry has on climate change.

According to the standing committee report on this bill, about one-third of greenhouse gas emissions in the State are caused by aviation and marine transportation related to the tourism industry. Assessing the impacts on climate change from this sector of the economy on climate change will help guide State policy priorities, including development of "green" sustainable industries and other alternatives to reduce over-dependence on the tourism industry.

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.



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 2977 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 2977 SD2.

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

Please support SB 2977 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



P.O. Box 37158, Honolulu, Hawai`i 96837-0158
Phone: 927-0709 henry.lifeoftheland@gmail.com

COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

Rep. Chris Lee, Chair

Rep. Nicole E. Lowen, Vice Chair

DATE: Tuesday, March 13, 2018

TIME: 8:30 a.m.

PLACE: Conference Room 325

SB 2977 Greenhouse Gas Emissions

STRONG SUPPORT

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

Life of the Land is Hawai`i's own energy, environmental and community action group advocating for the people and `aina for 47 years. Our mission is to preserve and protect the life of the land through sound energy and land use policies and to promote open government through research, education, advocacy and, when necessary, litigation.

We prefer the original bill that provided more detail: (1) Analyses of the types and amounts of greenhouse gas emissions associated with the Hawaii tourism industry, including emissions related to aviation and marine transportation; and (2) Identification of methods to decrease, mitigate, or offset the greenhouse gas emissions associated with the tourism industry.

Mahalo

Henry Curtis
Executive Director

LATE

SB-2977-SD-2

Submitted on: 3/12/2018 4:39:29 PM

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

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

Comments:

SB-2977-SD-2

Submitted on: 3/10/2018 10:06:27 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Richard Reed	Individual	Support	No

Comments:

While tourism plays an important part in our economy, air lifting masses of people here and catering to them creates an obvious burden on the environment. Although our tax system is designed to give Hawaii citizens services paid for by tourists it is possible that we would choose to forego that benefit if the environmental costs were quantified. At least we would stop spending to enable the growth of the tourism industry especially as it relates to trying to preserve shore line facilities that will be flooded by raising sea levels caused, in part, by tourism. This bill might help extend planning a couple decades.

SB-2977-SD-2

Submitted on: 3/10/2018 4:31:21 PM

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

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

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 5:18:25 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Mio Chee	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 5:25:29 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Dyson Chee	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 5:32:00 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Micah Chee	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 5:39:50 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
David Chee	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 4:34:46 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Lois Crozer	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 5:12:49 PM

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

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

Comments:

Aloha,

Instructs the Hawaii Climate Change Mitigation and Adaptation Commission to assess the effects of tourism on climate change and publish a report on its findings. Appropriates moneys. Effective 7/1/2050. (SD2)

In strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

Mahaol,

John

SB-2977-SD-2

Submitted on: 3/11/2018 6:36:21 PM

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

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

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 7:47:04 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Meredith Buck	Individual	Support	No

Comments:

In strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

SB-2977-SD-2

Submitted on: 3/11/2018 6:39:53 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Patricia Blair	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 7:49:40 PM

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

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

Comments:

In strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

SB-2977-SD-2

Submitted on: 3/11/2018 10:42:40 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
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.

SB2977 Climate Change Mitigation and Adaptation

Instructs the Hawaii Climate Change Mitigation and Adaptation Commission to assess the effects of tourism on climate change and publish a report on its findings. Appropriates moneys. Effective 7/1/2050. (SD2)

In strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

SB-2977-SD-2

Submitted on: 3/11/2018 11:24:02 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Philipp LaHaela Walter	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/11/2018 11:31:38 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
tia pearson	Individual	Support	No

Comments:

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

SB-2977-SD-2

Submitted on: 3/11/2018 11:48:13 PM

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

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

Comments:

To Whom It May Concern:

I am writing in to ask to please weigh in strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

Thank you for your consideration,

Nanea Lo

SB-2977-SD-2

Submitted on: 3/12/2018 12:20:36 AM

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

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

Comments:

In strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

SB-2977-SD-2

Submitted on: 3/12/2018 7:59:33 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Rebeca Zamora	Individual	Support	No

Comments:

SB-2977-SD-2

Submitted on: 3/12/2018 11:12:41 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
R. Kinslow	Individual	Support	No

Comments:

A statewide assessment across all business sectors is needed to move forward with science based policy making. We all know the air transport is a major contributor to our state's carbon footprint. Taxing bads not goods is a central precept of Sustainable Development. So, if the carbon footprint of tourism is high and detrimental, let's tax it.

SB-2977-SD-2

Submitted on: 3/12/2018 1:16:14 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Asia Leong	Individual	Support	No

Comments:

Aloha,

I am in strong support of SB 2977 SD2

If about one-third of greenhouse gas emissions in Hawaii come from aviation and marine transportation, much of which is driven by visitors, we definitely need to know more about tourism's affect on climate change as soon as possible.

Since tourism is the largest part of our economy, and it is contributing significantly to our climate woes, we must put a plan in place to reconcile the two interests. And we can't have an intelligent plan without knowing more about their interaction.

Thank you for the oppotunity to testify.

Sincerely,

Asia Leong

LATE

SB-2977-SD-2

Submitted on: 3/12/2018 5:21:03 PM

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

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

Comments:

LATE

SB-2977-SD-2

Submitted on: 3/12/2018 6:39:10 PM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Ken Stover	Individual	Support	No

Comments:

LATE

SB-2977-SD-2

Submitted on: 3/13/2018 12:50:04 AM

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

Submitted By	Organization	Testifier Position	Present at Hearing
Janet Pappas	Individual	Support	No

Comments: