

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 6, 2017 8:59 AM
To: AEN Testimony
Cc: dylanarm@hawaii.edu
Subject: *Submitted testimony for SB237 on Feb 6, 2017 13:15PM*

LATE

SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Dylan Armstrong	Individual	Support	No

Comments:

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Cc: ccampa1@msn.com
Subject: Submitted testimony for SB237 on Feb 6, 2017 13:15PM

SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Carl Campagna	Individual	Support	No

Comments: Aloha and many thanks for the opportunity to submit my testimony in Strong Support of SB237. This is a jobs bill as much as it is a renewable fuels related bill. With the development of a vibrant biofuels industry in Hawai'i we could support the farmers and increase food production; replace the lost jobs from the now closed sugar cane farms and processing plants; develop a sustainable manufacturing sector; and support the further development of needed infrastructure. In 2015 Hawai'i spent \$5.7 billion on imported oil. Up to 70 percent of each barrel of imported oil goes towards transportation fuels. Displacing imported oil with a proven renewable source of fuel would significantly improve Hawaii's energy security, sustainability, and economy. The Hawai'i State Energy Office states that Hawai'i's most important economic enterprise is developing a clean energy economy; Hawai'i's Clean Energy Initiative was enacted into law by the Hawai'i State Legislature in 2009 and strives to supply 40 percent of electricity needs and 70 percent of overall energy needs using clean sources by 2030 and now 100 percent by 2045. Tax incentives were created to support the end goal of energy security and sustainability. Act 202, SB2652 biofuel production tax credit was signed into law July of 2016. The Governor has a stated goal of doubling the local food production. As of 2015, at least 90 percent of food consumed in Hawaii is imported, including food for schools, hospitals and prisons. 40 years ago the percent of imported consumed food was closer to 50 percent. The Hawai'i Department of Transportation has created a Sustainable Transportation Forum with a focus on renewable fuels. Commercial airlines and US Department of Defense have expressed strong desire for a Green Fuel Transition locally as well as nationally and internationally. The State of Hawaii does not currently have a manufacturing sector. Increased food production would create food storage, hub/depot centers and processing plants. The development of a dedicated biofuel supply chain within Hawai'i would create storage, pre-processing and conversion refinery plants. Coinciding food production with biofuel feedstock production would create economy of scale with food production, providing a baseline revenue for qualifying farmers lowering the overall costs of local food production. The previous White House and President Obama have generated an Alternative Jet Fuel Strategy which was published in 2016 setting the goal of 80 percent decarbonization by 2050. The plan must be created and prepared for full implementation by 2030 in order to

reach the goal. The advancement of a vibrant bio-economy and biofuels supply chain in Hawaii could help address the lost jobs from plantation and refinery closures as well as mitigate the risks of petroleum supply and price shocks. Initiatives such as the Hawai'i Clean Energy Initiative have developed and created industries and jobs throughout Hawaii with the creation of friendly policy such as new market, high technology and renewable energy tax credits. Many thanks again for the opportunity to submit my testimony in strong support of SB237.

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ATTN:

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SB237 – RELATING TO BIOFUELS

Senate Committee on Agriculture and Environment

Senate Committee on Transportation and Energy

Public Hearing – February 6, 2017, 1:15pm

Conference Room 224, State Capitol

My name is Samira Fatemi, and I am writing this testimony as a citizen of the state of Hawai‘i in favor of SB 237. I hold a Bachelor of Science degree in biological engineering from the University of Hawai‘i, and am currently a graduate student in biological engineering at Purdue University in the field of renewable resources engineering. Advancing Hawai‘i’s efforts in biofuel research and development not only helps reduce our reliance on fossil fuel, but can also provide an opportunity to contribute to scientific research and advancements in fuel technology.

Hawai‘i’s unique climate, agriculture, and geography make it of particular interest to start increasing our efforts in bioenergy and biofuels. Our climate makes growth for a variety of fuel crops, such as switchgrass or corn, more viable, as these crops can be produced year-round in Hawai‘i. Further, agricultural waste can be studied and utilized for fuel applications, which can help keep agricultural lands free of unnecessary debris that can degrade the quality of the soil.

The implementation of SB 237 can also introduce job growth, especially for scientists and engineers. Hawai‘i currently is outcompeted in biological engineering growth by places such as California and the Midwest, despite Hawai‘i’s capability of growing and utilizing a variety of crops or other biomass (agricultural wastes, for example) for fuel applications. This bill can help widen a new sector of work in Hawai‘i, which helps stimulate economic growth while introducing sustainable technology for the people of the state.

Thank you for considering my testimony.

Aloha,

A handwritten signature in black ink that reads "Samira Fatemi". The signature is written in a cursive style with a large, looping initial "S".

Samira Fatemi

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 6, 2017 6:40 AM
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Cc: alohapowers@gmail.com
Subject: *Submitted testimony for SB237 on Feb 6, 2017 13:15PM*

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SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
megan powers	Individual	Support	No

Comments:

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Subject: *Submitted testimony for SB237 on Feb 6, 2017 13:15PM*



SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Teri Heede	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
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To: AEN Testimony
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Subject: Submitted testimony for SB237 on Feb 6, 2017 13:15PM

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SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Overbay	Individual	Oppose	No

Comments: What's the cost? There is no amount, is it 10,000 dollars or a million? If the public wants to invest in biofuel, we should get a percent of the profits. The public should not pay for A&B research to increase it's profits.

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Cc: akamaimom@gmail.com
Subject: Submitted testimony for SB237 on Feb 6, 2017 13:15PM

SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Felicia Cowden	Individual	Support	No

Comments: Kauai's Bio-Fuels plant seems to be working relatively well. I have gone and seen the workings of the plant and they are clean and reasonably low-impact. I realize there are concerns with the water impacts of growing trees for burning, but so are there impacts to the nations and environments over the oceans that provide us with petroleum products (like wars). For a healthy world, we need to move back toward localized resilience. Hawaii must do its part. Felicia Cowden Kilauea, Kauai

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46-063 Emepela Pl. #U101 Kaneohe, HI 96744 · (808) 679-7454 · Kris Coffield · Co-founder/Executive Director

TESTIMONY FOR SENATE BILL 237, RELATING TO BIOFUELS

Senate Committee on Agriculture and Environment

Hon. Mike Gabbard, Chair

Hon. Gil Riviere, Vice Chair

Senate Committee on Transportation and Energy

Hon. Lorraine R. Inouye, Chair

Hon. Donovan M. Dela Cruz, Vice Chair

Monday, February 6, 2017, 1:15 PM

State Capitol, Conference Room 224

Honorable Chair Gabbard, Chair Inouye, and committee members:

I am Kris Coffield, representing IMUAlliance, a nonpartisan political advocacy organization that currently boasts over 350 members. On behalf of our members, we offer this testimony in support of Senate Bill 237, relating to biofuels.

Hawai'i has set a goal of achieving 100 percent clean energy by the year 2045. Yet, our state remains the most fossil fuel dependent state in the nation, spending billions each year on imported oil. Little more than a decade ago, the islands derived 90 percent of our electricity from foreign oil.

Hawai'i's dependence on fossil fuel can best be explained by our state's economic dependence on tourism and the military, as well as our reliance on the shipping industry to deliver consumer goods and industrial materials. Our oil addiction is not just bad for the environment; it's bad for consumers: Hawai'i residents pay the highest electricity rates in the nation. Reducing our reliance on fossil fuels and generating 100 percent of our energy from renewable resources will, on the other hand, boost Hawai'i's economy by keeping an estimated \$3 billion in the islands that would otherwise be spent on imported oil.

Biofuels could significantly advance Hawai'i's clean energy ambitions. Biofuels use organic matter to produce a predictable supply of green energy that can be stored in presently used power plants. Additionally, biofuels can be locally produced, directly creating job growth in the energy and farming industries. In May of 2016, the Sustainable Biodiesel Alliance provided a Pacific Biodiesel plant with the first United States-based certification of sustainability for a biodiesel plant. This certification reflects an investment in biofuel technology that has led to

increases in the technology's efficiency, profitability, and sustainability as a renewable energy source that can be coupled with other renewables comprising Hawai'i's clean energy portfolio.

In 2011, Hawaiian Electric Company successfully used 100 percent renewable biofuel to fire a petroleum oil-fired steam turbine generator at Kahe Power Plant, believed to be the first time a utility-scale steam unit has fired on 100 percent biofuel at 100 percent capacity. Relatedly, biodiesel has been used in Maui's Ma'alaea Power Plant, which relies primarily on petroleum diesel for fuel. Biofuel originally obtained from Pacific Biodiesel has been used to avoid opacity (visibility of emissions) problems that lead to violations of air quality permits. Biofuel need not be implemented solely by large power companies, either, but could lift our state's agricultural industry. Unused agricultural land could be developed to generate biomass, providing economic security for both farmers, energy companies, and consumers.

Mahalo for the opportunity to testify in support of this bill.

Sincerely,
Kris Coffield
Executive Director
IMUAlliance

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 5, 2017 10:08 PM
To: AEN Testimony
Cc: chris@mentzel.com
Subject: *Submitted testimony for SB237 on Feb 6, 2017 13:15PM*

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SB237

Submitted on: 2/5/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Chris Mentzel	Individual	Support	No

Comments:

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SB237

Submitted on: 2/5/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Carolyn Golojuch	Individual	Support	No

Comments: I strongly support the passage of SB237. It is imperative that biofuels be researched and tested because the future of our planet is at risk. The longer fossil fuels are used the shorter the life span of the human race and the life of the planet has. Please pass SB237 in a speedy and intact manner. Thank you for your passage of this important bill.

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SB237

Submitted on: 2/5/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Locals for Local Change	non-profit	Support	No

Comments:

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DAVID Y. IGE
Governor

SHAN S. TSUTSUI
Lt. Governor



State of Hawaii
DEPARTMENT OF AGRICULTURE
1428 South King Street
Honolulu, Hawaii 96814-2512
Phone: (808) 973-9600 FAX: (808) 973-9613

SCOTT E. ENRIGHT
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER
Deputy to the Chairperson

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TESTIMONY OF SCOTT E. ENRIGHT
CHAIRPERSON, BOARD OF AGRICULTURE

BEFORE THE SENATE COMMITTEES ON AGRICULTURE & ENVIRONMENT &
TRANSPORTATION AND ENERGY

FEBRUARY 6, 2017
1:15 P.M.
CONFERENCE ROOM 224

SENATE BILL NO. 237
RELATING TO BIOFUELS

Chairpersons Gabbard and Inouye and Members of the Committees:

Thank you for the opportunity to testify on Senate Bill No. 237 that requires the Department of Agriculture to establish a two-year advanced biofuels pilot project to expand the use of biofuels in achieving the goal of 100 percent clean energy dependence by 2045. A report to the 2019 Legislature is required. Equal appropriations for FY 2017-18 and 2018-19 are requested for the establishment and implementation of the pilot project. The Department of Agriculture offers comments and recommendations.

This bill focuses on the production processes, distribution, and use of biofuels. The Department of Agriculture has little, if any, knowledge and expertise that may be required to effectively carry out the proposed Pilot Project as written. We could assist on informing farmers and landowners on the opportunity to participate as growers of energy feedstock, the material that is converted into biofuels. Also, as with the other programs, the growers could be tasked with reporting their cultivation and harvesting experiences, tallying costs of production, and other information that would be useful in generating a realistic assessment of the energy feedstock part of the Pilot Project.

Thank you for the opportunity to comment on this measure.



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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 5, 2017 8:10 PM
To: AEN Testimony
Cc: neil.vonhof@gmail.com
Subject: *Submitted testimony for SB237 on Feb 6, 2017 13:15PM*

SB237

Submitted on: 2/5/2017
Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Neil Vonhof	Individual	Support	No

Comments:

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SB237

Submitted on: 2/6/2017

Testimony for AEN/TRE on Feb 6, 2017 13:15PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Briana Hurley	Individual	Support	No

Comments:

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**CLEAN ENERGY
SOLUTIONS**

**735 Bishop Street, Suite 421
Honolulu, HI 96816**

**TESTIMONY of GEORGE PRITCHARD
EXECUTIVE VICE PRESIDENT CLEAN ENERGY SOLUTIONS
IN SUPPORT of S.B 237**

**BEFORE THE SENATE
COMMITTEE ON AGRICULTURE AND ENVIRONMENT
And the
COMMITTEE ON TRANSPORTATION AND ENERGY**

Monday, February 6, 2017, 1:15 p.m.
Public Hearing – State Capitol, Conference Room 224

Thank you for the opportunity to submit testimony in strong support of Senate Bill No. 237, which requires the Hawaii Department of Agriculture to establish a two-year advanced biofuels pilot project to expand the use of biofuels in achieving Hawaii’s goal of 100% clean energy dependence by 2045.

Clean Energy Solutions is committed to programs that convert crops, crop residues, dedicated energy crops and agricultural wastes into economically and environmentally sustainable biofuels and value added co-products. The high cost of energy and livestock feed are significant hurdles for the local utilities and farmers in Hawaii, and this proposed biofuels pilot project to address the conversion of agricultural crops and byproducts to biofuels and protein feed, is an important step towards food sustainability.

Feedstock produced in Hawaii can be used directly as a biofuel to produce electricity in Hawaii. The local production of these biofuels could contribute to Hawaii's renewable energy objectives, reduce the impact of world oil price volatility, provide a measure of energy security, provide economic diversification, encourage increased agricultural production, and circulate Hawaii's energy expenditures within Hawaii's economy.

Thank you for the opportunity to provide testimony in strong support of SB 237

CLEAN ENERGY SOLUTIONS

Sincerely,
George Pritchard

George Pritchard
Executive Vice President
