



HAWAII STATE ENERGY OFFICE STATE OF HAWAII

DAVID Y. IGE
GOVERNOR

SCOTT J. GLENN
CHIEF ENERGY OFFICER

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Testimony of
SCOTT J. GLENN, Chief Energy Officer

before the
HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE

Thursday, February 11, 2021
2:00 PM
State Capitol, Conference Room 329

In SUPPORT of
HB 113 HD1
RELATING TO MEASUREMENT STANDARDS.

Chair Johanson, Vice Chair Kitagawa, and Members of the Committee, the Hawaii State Energy Office (HSEO) supports HB 113, HD1, which would allow for the sale of hydrogen fuel and remove concerns or questions over potential resources, staffing, or equipment needed for the Department of Agriculture to regulate the sales of hydrogen fuel.

Hydrogen has an important role to play in Hawaii's energy portfolio, as a carbon-free energy storage mechanism, potential means of providing grid support, and provider of pollution-free fuel for both electricity and transportation.

Measures such as this one, that remove barriers to the commercial use of hydrogen, are supportive of the current focus of HSEO, which is to retain and create jobs, deploy clean energy projects, and advance Hawaii's clean energy and decarbonization goals.

Therefore, HSEO encourages your support of HB 113, HD1.

Thank you for the opportunity to testify.

DAVID Y. IGE
Governor

JOSH GREEN
Lt. Governor



PHYLLIS SHIMABUKURO-GEISER
Chairperson, Board of Agriculture

MORRIS M. ATTA
Deputy to the Chairperson

State of Hawaii
DEPARTMENT OF AGRICULTURE
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**TESTIMONY OF PHYLLIS SHIMABUKURO-GEISER
CHAIRPERSON, BOARD OF AGRICULTURE**

BEFORE THE HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE

**FEBRUARY 11, 2021
2:00 P.M.
VIA VIDEO CONFERENCE**

**HOUSE BILL NO. 113, HD1
RELATING TO MEASUREMENT STANDARDS**

Chairperson Johanson and Members of the Committee:

Thank you for the opportunity to testify on House Bill 113, HD1. This measure exempts hydrogen fuels from petroleum product measurement requirements. The Department supports the intent of this bill and offers comments.

The Department understands that hydrogen as a renewable fuel offers great promise in Hawaii. The Department currently does not have the technical skills and equipment to measure and certify hydrogen dispensers. Given that lack of regulatory oversight capacity at this time, the proposed amendment to HRS 486-52 exempting hydrogen from measurement standards relating to fuel would allow the Department to avoid the need to expand its staffing, training, and equipment resources beyond current levels. However, this may change in the future as the State continues to seek additional alternative energy sources and the science and technology underlying that effort evolves.

Thank you for the opportunity to testify on this measure.



HB-113-HD-1

Submitted on: 2/11/2021 12:24:00 PM

Testimony for CPC on 2/11/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Leo Obaldo	Hawaii Dept of Agriculture	Comments	No

Comments:

I am available for comments



Email: communications@ulupono.com

HOUSE COMMITTEE ON CONSUMER PROTECTION & COMMERCE
Thursday, February 11, 2021 — 2:00 p.m.

Ulupono Initiative supports HB 113 HD 1, Relating to Measurement Standards.

Dear Chair Johanson and Members of the Committee:

My name is Micah Munekata, and I am the Director of Government Affairs at Ulupono Initiative. We are a Hawai'i-focused impact investment firm that strives to improve quality of life throughout the islands by helping our communities become more resilient and self-sufficient through locally produced food; renewable energy and clean transportation; and better management of freshwater and waste.

Ulupono supports HB 113 HD 1, which exempts hydrogen fuels from petroleum product measurement requirements.

Ulupono supports clean, alternative-fuel transportation as ground transportation makes up a significant portion of Hawai'i's reliance on imported oil and is the largest contributor to our State's greenhouse gas emissions. Allowing this bill's exemption will help enable hydrogen to be more broadly available, thereby advancing clean, renewable ground transportation and provide immediate benefits to Hawai'i.

Thank you for this opportunity to testify.

Respectfully,

Micah Munekata
Director of Government Affairs

Investing in a Sustainable Hawai'i

HB-113-HD-1

Submitted on: 2/9/2021 9:36:55 PM

Testimony for CPC on 2/11/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Climate Protectors Hawaii	Climate Protectors Hawaii	Support	No

Comments:

To: The Honorable Aaron Ling Johanson, Chair,

The Honorable Lisa Kitagawa, Vice Chair, and Members of the

House Committee on Consumer Protection and Commerce

From: Climate Protectors Coalition

Hearing Date: Thursday, February 11, 2021, 2:00 pm

Position: In support of HB327 HD1 RELATING TO GREENHOUSE GAS EMISSIONS

Aloha Chair Johanson, Vice Chair Kitagawa, and Consumer Protection and Commerce Committee members: The Climate Protectors Coalition supports HB327. The Climate Protectors Coalition is a group inspired by the Mauna Kea Protectors but focused on reversing the climate crisis. As a tropical island State, Hawaii will be among the first places harmed by the global climate crisis, with more intense storms, loss of protective coral reefs, food insecurity, and rising sea levels destroying our shorelines. We must do all we can to reduce our carbon footprint and become at least carbon neutral as soon as possible.

This bill would convene a Sustainable Aviation Fuel Task Force within the State Energy Office to develop a state action plan to reduce the greenhouse gas emissions generated by international air transportation from Hawaii. The Climate Protectors ask that you pass this bill. Mahalo!

Climate Protectors Coalition (by Ted Bohlen)



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Representative Aaron Ling Johanson, Chair
Representative Lisa Kitagawa, Vice Chair
Committee on Consumer Protection & Commerce

**RE: HB 113 HD1 - Relating to Measurement Standards - In Support
February 11, 2021; Via Videoconference; 2:00 p.m.**

Aloha Chair Johanson, Vice Chair Kitagawa and members of the committee:

Servco is in strong support of HB 113 HD1, which exempts hydrogen fuels from petroleum product measurement requirements.

The definition of fuel in the current law is broad and does not exclude hydrogen. Therefore, it implies that hydrogen must be sold on the basis of measure. There is currently no means for the State to measure and certify a hydrogen dispenser. The supporting infrastructure is not in place; technical expertise is needed and equipment needs to be imported. Servco's hydrogen fueling station in Mapunapuna was the first publicly accessible station in Hawaii.

HB 113 HD1 will help promote the development of more public hydrogen stations.

Thank you for the opportunity to offer comments in support. We ask for your favorable consideration in passing the bill with a clean effective date.

Peter Dames
Executive Vice President



SanHi

GOVERNMENT STRATEGIES

A LIMITED LIABILITY LAW PARTNERSHIP

DATE: February 10, 2021

TO: Representative Aaron Johanson
Chair, Committee on Consumer Protection and Commerce

FROM: Tiffany Yajima

RE: **H.B. 113, H.D.1, Relating to Measurement Standards**
Hearing Date: Thursday, February 11, 2021 at 2:00 p.m.
Conference Room: 329

Dear Chair Johanson, Vice Chair Kitagawa and members of the House Committee on Consumer Protection and Commerce:

On behalf of the Alliance for Automotive Innovation (“Auto Innovators”) we submit this testimony in **support** of H.B. 113.

The Alliance for Automotive Innovation is the singular, authoritative and respected voice of the automotive industry. Focused on creating a safe and transformative path for sustainable industry growth, the Alliance for Automotive Innovation represents the manufacturers producing nearly 99 percent of cars and light trucks sold in the U.S. Members include motor vehicle manufacturers, original equipment suppliers, technology, and other automotive-related companies and trade associations.

This measure amends HRS § 486-52 to exempt hydrogen fuel from measurement standards. The automotive industry has made and continues to make a significant investment in hydrogen as a feasible fuel for motor vehicles. Hydrogen is a clean alternative fuel and any barriers for market acceptance should be removed.

Thank you for the opportunity to submit testimony in support of this bill.



**Testimony to
The Committee on Consumer Protection & Commerce**

**Thursday, February 11, 2021
2:00 PM
VIA Video Conference
Conference Room 329, Hawaii State Capitol
HB 113 HD1**

Chair Johanson, Vice Chair Kitagawa, and members of the committee,

Hawaii Gas **supports HB 113 HD1**, which exempts hydrogen fuels from petroleum product measurement requirements.

Hawaii Gas is a national leader in the transmission and distribution of hydrogen in our clean energy mix, and it is our vision to continue to lead the gas industry in its ability to safely, affordably, and reliably increase the amount of this zero-emissions fuel source in our utility pipeline. Beyond its use in our clean energy mix, hydrogen as a clean energy fuel is an essential element of the alternative fuel vehicle future.

New technology and R&D require a new look at all aspects of that technology, and this bill rightly recognizes that petroleum measurements simply don't apply to hydrogen. The promise of hydrogen as a fuel for alternative fuel vehicles brings together all stakeholders in this arena, who agree that an enabling statute is needed to make this valuable fuel source widely available to consumers. Exempting hydrogen from petroleum measurements is a vital element of that.

We urge the committees to pass HB 113 HD1.

Thank you for the opportunity to testify.

HB-113-HD-1

Submitted on: 2/11/2021 3:21:01 PM

Testimony for CPC on 2/11/2021 2:00:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Wendell Murakami	Individual	Comments	No

Comments:

I am available for comments.