

Written Statement of  
**David H. Molinaro**  
Acting Director  
Hawaii Center for Advanced Transportation Technologies  
before the  
**House Committee on Energy & Environmental Protection**  
Thursday, February 4, 2021  
8:30 a.m.  
State Capitol, Conference Room 325  
In consideration of  
**HB113**  
**RELATING TO MEASUREMENTS AND STANDARDS**

Chair Lowen, Vice Chair Marten, and Members of the Committee.

HCATT strongly **supports** HB113 as it supports Hawaii revised statute §196-10, Hawaii renewable hydrogen program legislative guidance to design, implement, and administer hydrogen demonstration projects, including infrastructure for the production, storage and refueling of hydrogen vehicles.

Widespread deployment of hydrogen fuel cell vehicles requires hydrogen fueling stations. Just as there currently are corner gasoline stations, there will be a need for hydrogen fueling stations (or stations that provide both gasoline and hydrogen). In the United States, only a small number of public hydrogen fueling stations currently exist. In Hawaii, there is currently only one such station.

Most hydrogen stations were established to support demonstration or experimental hydrogen-powered vehicle projects. Because these stations are first-of-a-kind, there is not a commodity-style standard station design. However, as automakers gear up to market fuel cell vehicles to American consumers (both to individuals and to fleet vehicle operators), the hydrogen and petroleum industries are gearing up in the construction of hydrogen fueling stations to service these vehicles.

Until such a time as there is wide-spread application of commercial hydrogen fueling infrastructure and the adoption of the regulations for commercial hydrogen measurement as set forth in National Institute of Standards and Technology Handbook 130 “Uniform Laws and Regulations in the Areas of Legal Metrology and Fuel Quality” in Hawaii, HCATT strongly supports the exemption of metering/dispensing of hydrogen as set forth in this Bill.

Thank you for the opportunity to present these comments



John Uekawa, President  
Dave Rolf, Executive Director

HADA Testimony in SUPPORT of HB113  
RELATING TO MEASUREMENT STANDARDS

Presented to the House Committee on Energy and Environmental Protection at the  
Public Hearing 8:30 a.m. Thursday, February 4, 2021 in Room 325  
VIA VIDEO CONFERENCE

Hawaii State Capitol

by David H. Rolf for the members of the Hawaii Automobile Dealers Association,  
*Hawaii's franchised new car dealers, who provide sales, warranty work and other factory-certified  
maintenance service for Hawaii's privately-owned and fleet-owned cars and light trucks*

Chairs Lowen, Vice Chair Marten and members of the committee:

HADA members are in support of HB113 which amends section 486-52, Hawaii Revised Statutes, to exempt hydrogen fuels from measurement requirements.

The intersection of energy, jobs, quantum computing, driverless cars, homes, education, and the wellbeing of a society, is the focus of HADA's work on Hawaii's future.

Hydrogen, as a renewable fuel, offers great promise for Hawaii. We applaud the work of Servco, a HADA member, for that company's work in bringing hydrogen fuel cell vehicles to Hawaii and in developing a hydrogen production and fueling station. Hydrogen fueling infrastructure will be key to the customer adoption of renewable fuel vehicles in Hawaii.

HADA respectfully asks that the committee pass HB113 forward for favorable consideration.

Respectfully submitted,

David H. Rolf, for the members of the Hawaii Automobile Dealers Association

**HADA**  
**Making Hawaii Better Together**





**SanHi**

GOVERNMENT STRATEGIES

A LIMITED LIABILITY LAW PARTNERSHIP

DATE: February 4, 2021

TO: Representative Nicole Lowen  
Chair, Committee on Energy and Environmental Protection  
*Submitted Via Capitol Website*

FROM: Tiffany Yajima

RE: **H.B. 113 – Relating to Measurement Standards**  
**Hearing Date: Thursday, February 4, 2021 at 9:00 a.m.**  
**Conference Room: 329**

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Dear Chair Lowen and Members of the Committee on Energy and Environmental Protection:

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.



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Representative Nicole Lowen, Chair  
Representative Lisa Marten, Vice Chair  
Committee on Energy & Environmental Protection

**RE: HB 113 - Relating to Measurement Standards – In Support  
February 4, 2021; Via Videoconference; 9:00 a.m.**

Aloha Chair Lowen, Vice Chair Marten and members of the committee:

Thank you for introducing and hearing this bill. Servco is in strong support of HB 113, which exempts hydrogen fuels from measurement requirements of petroleum products.

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 will help promote the development of more public hydrogen stations.

Thank you for the opportunity to offer comments in support.

Peter Dames  
Executive Vice President



Email: [communications@ulupono.com](mailto:communications@ulupono.com)

HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
Thursday, February 4, 2021 — 8:30 a.m.

**Ulupono Initiative supports HB 113, Relating to Measurement Standards**

Dear Chair Lowen 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**, which exempts hydrogen fuels from petroleum product measurement requirements.

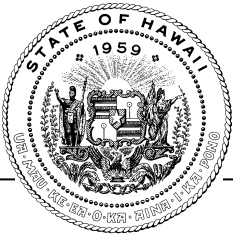
Ulupono supports clean, alternative fuel transportation as ground transportation makes up a significant portion of Hawai'i's reliance on imported oil and the largest contributor to our State's greenhouse gas emissions. Allowing this bill's exemption will help enable hydrogen to be more broadly available,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



# 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 ENERGY & ENVIRONMENTAL PROTECTION**

Thursday, February 4, 2021  
9:00 AM  
State Capitol, Conference Room #325

In SUPPORT of  
**HB 113**  
**RELATING TO MEASUREMENT STANDARDS.**

Chair Lowen, Vice Chair Marten, and Members of the Committee, the Hawaii State Energy Office (HSEO) supports HB 113, which would allow for the sale of hydrogen fuel and remove concerns or questions about potential resources, staffing, or equipment needed for the Department of Agriculture to regulate the sale 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 the HSEO, which is to retain and create jobs, deploy clean energy projects, and advance Hawaii's clean energy and decarbonization goals.

Therefore, we encourage your support of HB113.

Thank you for the opportunity to testify.

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**HB-113**

Submitted on: 2/4/2021 8:31:15 AM

Testimony for EEP on 2/4/2021 9:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Stan Osserman	Individual	Support	No

Comments:

Esteemed members of the Committee,

As the former Hydrogen Implementation Coordinator for the State of Hawaii, I feel that this bill will greatly assist Hawaii's development of hydrogen refueling infrastructure, and I strongly support it's passage! Mahalo,