



# UNIVERSITY OF HAWAII SYSTEM

## ‘ŌNAEHANA KULANUI O HAWAII

### Legislative Testimony

### Hō'ike Mana'o I Mua O Ka 'Aha'ōlelo

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Testimony Presented Before the  
House Committee on Energy & Environmental Protection  
and  
House Committee on Higher Education & Technology  
Tuesday, March 21, 2023 at 11:00 a.m.

By  
Della Teraoka, Interim Associate Vice President for Academic Affairs,  
Community Colleges  
University of Hawai'i System

#### SB 1520 SD2 – RELATING TO THE HAWAII PACIFIC HYDROGEN HUB

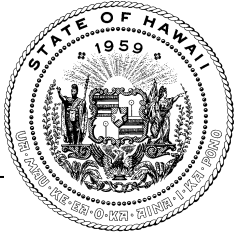
Chairs Lowen and Perruso, Vice Chairs Cochran and Kapela, and Members of the Committees:

The University of Hawai'i supports the intent of SB 1520 SD2, which requires the Department of Business, Economic Development, and Tourism to work with the University of Hawai'i on workforce development activities that support the development of the Hawai'i Pacific Hydrogen Hub and other related aspects of the State's hydrogen energy industry.

The University of Hawai'i Community Colleges recently kicked off its [Good Jobs Hawai'i](#) program which includes clean energy as one of four sector focus areas. The Good Jobs Hawai'i initiative seeks to identify and meet current and future needs of Hawai'i's clean energy workforce. The Hawai'i State Energy Office (HSEO) is the lead organization for the Clean Energy and Skilled Trades sector of the Good Jobs Hawai'i program funded by the U.S. Department of Commerce, Economic Development Administration.

The University of Hawai'i supports the intent of SB 1520 SD2, on the condition its passage does not replace or adversely impact priorities as indicated in our BOR Approved Budget.

Thank you for the opportunity to provide testimony in support of SB 1520 SD2.



# HAWAII STATE ENERGY OFFICE STATE OF HAWAII

JOSH GREEN, M.D.  
GOVERNOR

MARK B. GLICK  
CHIEF ENERGY OFFICER

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Testimony of  
**MARK B. GLICK, Chief Energy Officer**

before the  
**HOUSE COMMITTEES ON  
ENERGY & ENVIRONMENTAL PROTECTION  
AND  
HIGHER EDUCATION & TECHNOLOGY**

Tuesday, March 21, 2023  
11:00 AM  
State Capitol, Conference Room 325 & Videoconference

In SUPPORT of  
**SB 1520, SD2**

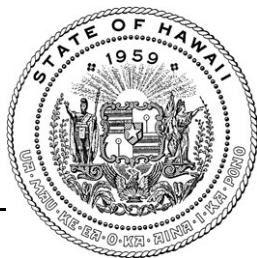
## **RELATING TO THE HAWAII PACIFIC HYDROGEN HUB.**

Chairs Lowen and Perruso, Vice Chairs Cochran and Kapela, and Members of the Committees, the Hawai'i State Energy Office (HSEO) supports SB 1520, SD2, which requires the Department of Business, Economic Development, and Tourism (DBEDT) to work with the University of Hawai'i on workforce development in support of hydrogen energy, provided that the bill's passage does not replace or adversely impact priorities indicated in the Executive Budget.

The Full Application for the Hawai'i Pacific Hydrogen Hub proposal is due to the United States Department of Energy by April 7, 2023, with preselection interviews through summer and selection notifications anticipated during the autumn of 2023.

The HSEO is working with the University of Hawai'i Community Colleges in the [Good Jobs Hawai'i](#) program funded by the U.S. Department of Commerce, Economic Development Administration. Clean energy – including the Hawai'i Pacific Hydrogen Hub and other related aspects of the State's hydrogen energy industry – is one of the focus areas of the Good Jobs Hawai'i initiative.

Thank you for the opportunity to testify.



**DEPARTMENT OF BUSINESS,  
ECONOMIC DEVELOPMENT & TOURISM**  
KA 'OIHANA HO'OMOHALA PĀ'OIHANA, 'IMI WAIWAI  
A HO'OMĀKA'IKĀ'I

**JOSH GREEN, M.D.**  
GOVERNOR

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Statement of  
**CHRIS J. SADAYASU**  
Director  
Department of Business, Economic Development, and Tourism  
before the  
**HOUSE COMMITTEES ON ENERGY & ENVIRONMENTAL PROTECTION AND  
HIGHER EDUCATION & TECHNOLOGY**

Tuesday, March 21, 2023  
11:00 AM  
State Capitol, Conference Room 325

In consideration of  
**SB1520, SD2**  
**RELATING TO THE HAWAII'Ī PACIFIC HYDROGEN HUB.**

Chairs Lowen and Perruso, Vice Chairs Cochran and Kapela, and Members of the Committees.

The Department of Business, Economic Development and Tourism (DBEDT) **supports** SB1520, SD2, which requires DBEDT to work with the University of Hawai'i on workforce development activities that support the development of the Hawai'i Pacific Hydrogen Hub and other related aspects of the State's hydrogen energy industry and appropriates funds to DBEDT for these efforts.

The Hawai'i Pacific Hydrogen Hub aligns hydrogen production pathways that will develop new infrastructure and deploy hydrogen across Hawai'i's energy ecosystem and economy, resulting in clean energy investments, good paying jobs, and improved energy security. The Hawai'i State Energy Office is leading the Clean Energy and Skilled Trades sector of the Good Jobs Hawai'i workforce development program led by the University of Hawai'i Community Colleges, and DBEDT supports the continuation of this collaboration investing in the State's hydrogen energy industry.

Thank you for the opportunity to support this measure.



**SERVCO PACIFIC INC.**  
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Representative Nicole Lowen, Chair  
Representative Elle Cochran, Vice Chair  
Committee on Energy & Environmental Protection

Representative Amy Perruso, Chair  
Representative Jeanne Kapela, Vice Chair  
Committee on Higher Education & Technology

**RE: SB 1520 SD2 - Relating to the Hawaii Pacific Hydrogen Hub – In Support  
March 21, 2023; 11:00 A.M.**

Aloha Chairs Lowen and Perruso, Vice Chairs Cochran and Kapela, and members of the committees:

Servco is in support of SB 1520 SD2, which requires the Department of Business, Economic Development, and Tourism to work with the University of Hawaii on workforce development activities that support the development of the Hawaii Pacific Hydrogen Hub and other related aspects of the State's hydrogen energy industry.

The demand for alternative forms of renewable fuel will continue to grow in support of Hawaii's 100% energy goals, and the Hawaii Pacific Hydrogen Hub will play a key role in realizing a sustainable energy economy.

Servco has invested millions of dollars into hydrogen production facilities and will continue to invest as we believe in its future. The long-term production, processing, and export potential of hydrogen across the globe is not only a revenue generating opportunity but also yields environmental benefits.

We appreciate the efforts made by the State Legislature to make improvements to the program in pursuit of our clean energy mandate.

Thank you for the opportunity to provide comments in support.

Peter Dames  
Executive Vice President

**SB-1520-SD-2**

Submitted on: 3/16/2023 8:00:32 AM

Testimony for EEP on 3/21/2023 11:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Caroline Azelski	Individual	Support	Written Testimony Only

Comments:

In support of SD2. Thank you.

**SB-1520-SD-2**

Submitted on: 3/17/2023 11:28:34 AM

Testimony for EEP on 3/21/2023 11:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Regina Gregory	Individual	Oppose	Written Testimony Only

Comments:

This will probably require a ridiculous amount of electricity

**SB-1520-SD-2**

Submitted on: 3/19/2023 7:01:15 PM

Testimony for EEP on 3/21/2023 11:00:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Testify</b>
Alice Kim	Individual	Support	Written Testimony Only

Comments:

The hydrogen hub industry can offer the State of Hawaii quality jobs, economic growth opportunities, renewable energy storage, and a way for Hawaii to achieve 100 percent clean energy by 2045. As geothermal energy can provide the state a constant, virtually unlimited source of energy, geothermal can play a huge role in hydrogen fuel development.



**Testimony to  
The Committees on Energy & Environmental Protection and  
Higher Education & Technology**

**Tuesday, March 21, 2023  
11:00 AM  
Conference Room 335 & VIA videoconference  
Hawaii State Capitol**

**SB 1520 SD 2**

Chairs Lowen and Perruso, Vice Chairs Cochran and Kapela, and members of the committees,

Hawaii Gas **supports SB 1520 SD2**, which, requires the Department of Business Economic Development and Tourism to work with the University of Hawaii on workforce development activities that support the development of the Hawaii Pacific Hydrogen Hub and other related aspects of the State's hydrogen energy industry; appropriates funds to the Department of Business, Economic Development, and Tourism for the Hawaii Pacific Hydrogen Hub.

Established in 1904, Hawaii Gas serves over 70,000 customers on all islands through its pipeline and delivery services, all of whom depend on the company for sustainable, reliable, and affordable gas for water heating, cooking, drying, and other commercial and industrial applications. The company employs some 350 professionals, over 75% of whom are members of the Teamsters Union.

Hawaii Gas distributes a blend of gas that ranges from low-carbon to negative-carbon emissions through approximately 1,100 miles of mostly underground utility pipeline statewide. Our main utility system includes a blend of gas that includes Synthetic Natural Gas (SNG), Renewable Natural Gas (RNG), and Hydrogen. Hawaii Gas leads the industry in the use of hydrogen in its pipeline.

Hydrogen is critical to the state's clean energy future, and this Hub would be a tremendously valuable asset towards meeting those clean energy requirements. Additionally, the opportunity to be selected by the Department of Energy for this Hub would place Hawaii at the forefront of clean energy work nationally.

Hydrogen is an essential tool in the nation's clean energy future. Having the Hub in Hawaii is good for the economy, the state's clean energy future, and the research and technology sector.

We urge the committee to pass the measure.

Thank you for the opportunity to testify.