



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 FINANCE

Tuesday, April 5, 2022
2:30 PM
State Capitol, Conference Room 308 & Videoconference

**SUPPORT
SB 2865, SD2, HD1
RELATING TO THE ISSUANCE OF SPECIAL PURPOSE REVENUE BONDS TO
ASSIST DIBSHAWAII LLC.**

Chair Luke, Vice Chair Yamashita, and Members of the Committee, the Hawai'i State Energy Office (HSEO) supports SB 2865, SD2, HD1, which authorizes the issuance of special purpose revenue bonds to assist DIBSHawaii LLC in the construction of a net-zero carbon capture storage utilization platform that will recover, scrub, and liquify carbon dioxide emissions into food grade liquid carbon dioxide.

HSEO supports the use of Special Purpose Revenue Bonds for this purpose and believes that the project is in the public interest.¹

Due to global supply chain issues as a result of the pandemic, Hawai'i is experiencing a carbon dioxide shortage for economic activity, much like the rest of the nation, but more acutely as there is only one facility in Hawai'i that produces carbon dioxide. Sourcing it from the continental US is more difficult due to the shortage and more costly due to the transportation distances. Carbon dioxide in Hawai'i has many commercial uses, including those listed in the bill as well as for carbonated beverages,

¹ Special Purpose Revenue Bonds provide loan financing to assist qualifying capital improvement projects in the public interest. The bonds do not constitute a general obligation of the State and are not State monies.

agricultural technology, water treatment, waterless surface cleaning, dry ice for maintaining freshness of cold items during transport, and others.

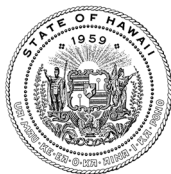
It is HSEO's understanding that DIBS Hawai'i is a native Hawaiian-owned company and is planning to build a net-zero carbon capture storage utilization platform. This is consistent with Hawai'i's interests, as it captures carbon dioxide that would otherwise be released into the atmosphere; uses already-available rather than imported material for local applications; and supports a locally-owned business in promoting import substitution and economic diversification.

Capturing emissions from the atmosphere for economic activity and long-term sequestration is an important feature in Hawai'i's clean energy, decarbonized economy transition, and statutory commitment to the Paris Agreement. Furthermore, establishing this capability in Hawai'i helps build the knowledge and expertise for Hawai'i to source carbon dioxide using renewable resources in the future as fossil energy is phased out and Hawai'i transitions to a net-negative, resilient clean energy economy.

HSEO defers to the appropriate agency for the implementation of this bill.

Thank you for the opportunity to testify.

DAVID Y. IGE
GOVERNOR



CRAIG K. HIRAI
DIRECTOR

GLORIA CHANG
DEPUTY DIRECTOR

EMPLOYEES' RETIREMENT SYSTEM
HAWAII EMPLOYER-UNION HEALTH BENEFITS TRUST FUND
OFFICE OF THE PUBLIC DEFENDER

STATE OF HAWAII
DEPARTMENT OF BUDGET AND FINANCE
P.O. BOX 150
HONOLULU, HAWAII 96810-0150

ADMINISTRATIVE AND RESEARCH OFFICE
BUDGET, PROGRAM PLANNING AND
MANAGEMENT DIVISION
FINANCIAL ADMINISTRATION DIVISION
OFFICE OF FEDERAL AWARDS MANAGEMENT (OFAM)

WRITTEN ONLY

TESTIMONY BY CRAIG K. HIRAI
DIRECTOR, DEPARTMENT OF BUDGET AND FINANCE
TO THE HOUSE COMMITTEE ON FINANCE
ON
SENATE BILL NO. 2865, S.D. 2, H.D. 1

April 5, 2022
2:30 P.M.
Room 308 and Videoconference

RELATING TO THE ISSUANCE OF SPECIAL PURPOSE REVENUE BONDS TO
ASSIST DIBSHAWAII LLC.

The Department of Budget and Finance (the "Department") offers the following comments on Senate Bill No. 2865, S.D. 2, H.D. 1, which authorizes the issuance of Special Purpose Revenue Bonds (SPRB) to assist DIBSHawaii LLC, a Hawaii limited liability company, to build a net zero carbon capture storage utilization platform that will recover vented carbon dioxide emissions and scrub and liquify them into food grade liquid carbon dioxide that can be placed in pressurized storage tanks creating a virtual terminal for food grade carbon dioxide to be utilized across the State pursuant to Part V, Chapter 39A, Hawaii Revised Statutes. The amount of the authorization is unspecified.

The Department would like to inform the Legislature and prospective SPRB parties that should the legislation be approved, approval of the SPRB issuance and conduit loan will require further review of the financing proposal to ensure compliance with all federal, state and credit underwriting requirements. Additionally, the Department would like to note that House Bill No. 1829, H.D. 2, S.D. 1 and Senate Bill No. 2812 S.D. 2, H.D. 1, specifies that no SPRBs requiring an allocation of annual state

ceiling under Section 39B-2 Hawaii Revised Statutes, shall be authorized after June 30, 2022 and before December 31, 2028, unless requested by the Governor and approved by the Legislature. To permit the issuance of SPRBs authorized during this session, may we suggest an effective date of June 29, 2022 for Senate Bill No. 2865, S.D. 2, H.D.1. For additional information, please consult our FAQ located at the following link: <http://budget.hawaii.gov/wp-content/uploads/2012/11/SPRB-FAQ.pdf>.

Thank you for your consideration of our comments.

SB-2865-HD-1

Submitted on: 4/3/2022 1:41:27 PM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Ikaika Kualii	HLM Hawai'i Inc.	Support	Written Testimony Only

Comments:

Aloha kākou,

My company HLM Hawaii, inc is a specialty land clearing company based on Hawaii Island. We clear land using forestry mulching machines with low ground impact. Our machines are able to recycle 100% of vegetation being cleared and out it back into the soil as a form of natural soil remediation and organic ground cover. As a native Hawaiian business owner specializing in sustainable land clearing, I support SB2865 SD2 HD1 and the efforts of Dibshawaii LLC and consortium of native Hawaiian businesses in establishing a Netzero CCSU platform to support Hawaiian lifestyle and address food and energy security. I believe soil revitalization using co2 enrichment to build carbon bank back into Hawaii's depleted soil systems.

Mahalo,

Ikaika H. Kūali'i

CEO, HLM Hawaii inc.



Environmental Caucus of The Democratic Party of Hawai'i

To: The Honorable Sylvia Luke, Chair
The Honorable Kyle T. Yamashita, Vice Chair
Members of the Committee on Finance

Re: **SB 2865 SD 2 HD 1– RELATING TO CARBON SEQUESTRATION INCENTIVES**

Hearing: Tuesday, April 5, 2022, 2:30 p.m., Conference Room 308 and
Via Videoconference

Position: **Strong support**

Aloha, Chair Luke, Vice Chair Yamashita, and Members of the Committee on Finance:

The Environmental Caucus of the Democratic Party of Hawai'i stands in strong support of SB 2865 SD2 HD1. This measure would authorize the issuance of special purpose revenue bonds to assist DIBSHawaii LLC in the construction of a net-zero carbon capture storage utilization platform that will recover vented carbon dioxide emissions and scrub and liquify the emissions into food grade liquid carbon dioxide.

The proposed uses for food grade carbon dioxide includes being utilized for agriculture, energy and carbon storage in support of food security and resilience goals of the State. The intent is for 75% of the repurposed carbon dioxide is to be used for agriculture and energy while the remaining 25% is to be used by the Department of Defense for renewable jet fuel and for advance dry ice cleaning efforts of Department of Defense bases and certain carbon dioxide mineralization in concrete for State government documents.

For these reasons, the Environmental Caucus of the Democratic Party of Hawai'i supports SB 2865 SD2 HD1 as it authorizes the issuance of special purpose revenue bonds to assist DIBSHawaii LLC in the construction of a net-zero carbon capture storage utilization platform designed in the public interest and for the public health, safety, and general welfare.

Mahalo for the opportunity to testify,

Melodie Aaija

Alan Burdick

Co-Chairs, Environmental Caucus of the
Democratic Party of Hawai'i



April 4, 2022

The Honorable Representative Sylvia Luke, Chair
The Honorable Representative Kyle t. Yamashita, Vice Chair
Committee on Finance

Testimony in Support of SB 2865, Relating to the issuance of Special Purpose Revenue Bonds to Assist DibsHawaii LLC.

My name is Alika Watts. I am a native Hawaiian, a retired military Veteran with over 28 years of service, and a small business owner. I am in full support of SB 2865, "Relating to Carbon Sequestration Incentives". This Bill is on track, along with several other bills introduced this year related to the importance of recovering large volumes of vented Carbon Dioxide emissions from Hawaii industries. Senate Bill 2865 supports current Hawaii laws, regulations, and practices.

Senate Bill 2865 presents an incredible opportunity for the State of Hawaii to Capture, Store, and Utilize Carbon Dioxide (CO2), from Hawaii based industries, which are currently emitting hundreds of tons of CO2 into the atmosphere every day. Not only will this reduce our carbon footprint, but several industries are already in full cooperation with CO2 capturing.

Currently Hawaii imports 100% of its CO2, which is still not enough to meet current demands. SB 2865 enables Hawaii to be independent through capturing its own CO2. This will provide more than enough to support today's CO2 requirements and much more to expand usage for generations to come.

I support SB 2865 dedicated focus on Hawaii's responsibility to reduce its negative contribution to climate changes and at the same time make a positive spin through sequestering carbon into the soil to produce nutrient dense soils and replenish Hawaii's soil that has been depleted from harmful pesticides and other past unhealthy outdated farming practices

Senate Bill 2865 supports Hawaii's ability to grow an abundance of safe, healthy, and nutritious food through advance technological processes, such as future vertical farming. Further reducing our dependence on importing pre-ripen fruits and vegetables. Creating an abundance of healthy and nutritious agricultural products for local consumption. It will also produce wholesome feedstock for livestock, poultry, and fisheries.

There are several other advantages to Hawaii from capturing its own CO2, and not importing it in. Hawaii can create our own value-added products such as industrial Hemp and Hempcrete, which also continues to sequester CO2 for years after the structure is built. This reduces importing materials for building homes and other critical structures. It assists in the production of renewable clean aviation fuel, reducing our 100% reliance of importing fuel, and reducing the requirement for mass fuel storage.



SB 2865 will allow Hawaii to create our own Dry Ice production, across the State of Hawaii for commercial, community, and individual use. The price of dry ice has increased over 800 percent in just the past few years. With a more abundance of feasible dry ice, Hawaii can take advantage of expanding the export of current economical markets and have the advantage of developing new export markets.

SB 2865 establishes better practices of using dry ice to clean Hawaii's infrastructure, especially new electronic component technologies, such as cleaning and maintaining electric car power stations. It provides better practices moving forward that use carbon dioxide to eliminate secondary waste streams, which must be exported out of Hawaii creating more transportation emissions.

I support the efforts of a local 3rd party CO2 infrastructure that benefits small businesses in the State of Hawaii. The capturing and reutilization of carbon dioxide (CO2) for these reasons is not only of significant importance today, but also an excellent investment for future generations living in Hawaii.

Hawaii and other island communities will be the first to experience climate change thru rising sea levels. It is imperative to do our part to mitigate our carbon emissions by capturing carbon dioxide stream and making a positive spin to not only benefit the citizens of the state of Hawaii, but the world.

Eco4Life is a Hawaii based, native Hawaiian, Veteran owned, company dedicated to providing state of the art, successfully proven, next generation technological advancements, to maximize community resources by increasing self-sustainability and decreasing reliance on external imports.

A handwritten signature in black ink, appearing to read "Alike G. Watts". The signature is fluid and cursive, with a long horizontal stroke at the end.

Sincerely,

COL (Ret.) Alike G. Watts
President
Eco4Life LLC
(808) 223-3268
alika@eco4life.us



DIBSHAWAII, LLC

86122 Kakaiapola St., Waianae, HI 96792 · (808) 554-9247
kford@dibshawaii.com · www.dibshawaii.com

Aloha kakou

House Finance Committee
Rep. Sylvia Luke, Chair
Rep. Kyle T. Yamashita, Vice Chair

Mahalo for the opportunity to provide testimony on SB2865 SD2 HD1 we show our full **support**

RELATING TO THE ISSUANCE OF SPECIAL PURPOSE REVENUE BONDS TO ASSIST DIBSHAWAII LLC.

Dibshawaii LLC business model was built upon using carbon dioxide from a carbon neutral stance. To be able to clean without creating any secondary waste stream. The result of the dry ice cleaning platform is mitigating our carbon footprint and being able to provide accolade level environmental cleaning without adding any additional waste streams and the burning of fossil fuels and consumption of other products that would then need to be disposed of. That was the premise of why I started this so we could clean at a higher level with integrity to our consumption and the mindfulness of protecting the environment.

Through this process of using dry ice to clean we could be more consistent, and we could ultimately support better practices, for the federal government, the state of Hawaii and private industry. By using these actions and performances using carbon dioxide to clean with no secondary waste stream, we could demonstrate to other small business trying to achieve those goals that there are advanced tooling and proven processes within reach.

As a small business we are dependent on carbon dioxide in its liquid state. Stored liquid carbon dioxide can be utilized to create dry ice. The Dry ice would then be used to supplement sand for sandblasting and water for pressure washing. So instead of using sand and water with chemicals we are using carbon dioxide to clean. Eliminating the costly steps to dispose of contaminated spent media and water greatly reducing the projects carbon emissions.

Our local supply chain issues with carbon dioxide in the state of Hawaii and our availability of carbon dioxide has put us at a disadvantage for the last decade meaning it inhibited us from

truly reaching our potential. It did not allow for us to expand our operations because of the unreliability, unavailability and ultimately the high cost of the carbon dioxide. Hawaii is the most expensive place in the world to buy carbon dioxide as a small business or individual.

Dibshawaii LLC, a native Hawaiian Veteran owned company. Along with a consortium of Hawaiian owned businesses we are teaming together to construct a Net Zero Carbon Capture Storage Utilization (CCSU) platform.

This third-party CO2 infrastructure will recover large volumes of vented carbon dioxide emissions from industrial oil & gas refining, biomass to energy production, and geothermal operations. This repurposed carbon dioxide will be sequestered into the soil to produce an abundance of healthy and nutritious agricultural products for local consumption. It will also be applied in the development of locally sourced building materials such as hempcrete and concrete mineralization. CO2 will also be available to support locally emerging sustainable jet fuel production platforms.

Hawaii and other island communities will be the first to experience climate change through rising sea levels, and we must act now to mitigate our carbon emissions by capturing the co2 stream one source at a time.

This is an excellent opportunity for farmers, small business, and investors whom are pivoting to advanced farming practices vertical farming, protected farming, glass house agriculture all which will require dissolved co2 for irrigation systems to increase yields and food production by 30% and mitigate disease and pathogens on crops. Locally grown nutrient dense food and revitalization of carbon rich soil systems is a requirement that needs our states attention.

The benefits of these actions help to offset our import on food and the direct application of carbon dioxide being absorbed into the soil systems building carbon rich soil systems to combat 100 years of plantation agriculture.

SB2865 SD2 HD1 will allow for a natural progression towards education and awareness and the connection between food, energy, our ability utilize and sequester carbon dioxide. Learner programs will demonstrate our ability to mitigate our carbon footprint at commercial scale through mindful and innovative actions.

Dibshawaii LLC is in full support of SB2865 SD2 HD1 and has much appreciation to this committee for considering a bill that can open doors on climate change locally, carbon credits and incentives, technical assistance, and a platform to grow people to grow our food locally in support of our Hawaiian lifestyle.

Sincerely,



Keoni Ford,



Ohana Hui Ventures, Inc

Ohana Hui Ventures, Inc
Scott K. Wong, CEO
41-207 Kauholokahiki Street
Waimanalo, Hi 96795
scottywong@gmail.com

3/19/2022

[COMMITTEE ON FINANCE](#)

Rep. Sylvia Luke, Chair

Rep. Kyle T. Yamashita, Vice Chair

RELATING TO THE ISSUANCE OF SPECIAL PURPOSE REVENUE BONDS TO
ASSIST DIBS HAWAII LLC

Position: Support SB2865 SD2 HD1.

Ohana Hui Ventures, Inc is a For Profit Corporation on ADC lands with a mission to support the future of Agriculture, Innovative Kanaka Ideas and creating a more sustainable Hawaii through traditional Hawaiian cultural practices while utilizing new technologies. Our Friends of Waimanalo and Friends of Whitmore non profit work focuses on community workforce development and training new farmers and certifying them in various equipment and skills relating to the jobs this bill will help create

Our latest projects is helping to sequester carbon dioxide and utilizing Co2 to create Climate Smart Commodities through innovative technologies from around the world and to bring them to Hawaii for our community farmers in partnership with for profit and non profit organizations. OHV provides the farming of industrial hemp to sequester carbon and to phytoremediate soils in Hawaii which then is harvested to fuel Netzero energy with our partners, create Hemp Building Materials such as HempCrete, HempWood, Hemp Bio Fuels and to create healthy soils.

Ohana Hui Ventures **supports SB2865 SD2 HD1** Authorizes the issuance of special purpose revenue bonds to assist DIBSHawaii LLC in the construction of a net-zero carbon capture storage utilization platform that will recover vented carbon dioxide emissions and scrub and liquify the emissions into food grade liquid carbon dioxide. OHV recognizes that and has taken steps in partnering with other Hawaiian entities in Soil Remediation, Sequestering Carbon to add to Soil and using Hawaiian Natural Farming Techniques to bring back and maintain soil health.

Sincerely,

Scott Wong
Ohana Hui Ventures, Inc
Chief Executive Officer

SB-2865-HD-1

Submitted on: 4/1/2022 1:43:16 PM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
L Basha	Individual	Support	Written Testimony Only

Comments:

Any means to pioner carbon capture is good for our state & our economy.

SB-2865-HD-1

Submitted on: 4/2/2022 12:49:03 PM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Robert Boudreaux	Individual	Support	Written Testimony Only

Comments:

Every avenue for the implementation of net-zero carbon emission must be employed in the fight against catastrophic climate change. This is a small, but significant contribution to that effort. It is another tool that we can employ now. Pass this legislation.

SB-2865-HD-1

Submitted on: 4/3/2022 8:14:55 AM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Dennis F Lokmer	Individual	Support	Written Testimony Only

Comments:

I urge strong support for this bill.

SB-2865-HD-1

Submitted on: 4/3/2022 10:24:21 AM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Sidney Higa	Individual	Support	Written Testimony Only

Comments:

Senate Bill 2865 SPRB to support Carbon Capture Storage Utilization

Supporter Key Messages in **SUPPORT** of Senate Bill 2865

Carbon Dioxide (Co2) has been identified as the leading cause for global warming. However, Co2 has many uses that are not taken into account and capture & storage options have not been implemented that will put Co2 to good use as well as sequester Co2 to be removed from the atmosphere.

Co2 has been identified as a byproduct of the use of fossil fuels. There has been an abundance of Co2 produced from oil refineries, electricity generation from the burning of oil, coal, natural gas and wood, among other things. Although the studies show that Co2 is a cause for global warming, there are a lot of uses for Co2 that are not taken into account.

Within this article published on 3/24/2022 (<https://wattsupwiththat.com/2022/03/24/can-we-trust-the-science/>) it cites a NASA image that shows that Co2 has helped “GREEN” the earth, increase crop yields and shrunk the Sahara Desert by 8% since the 1980s.

The problem arises in that the capture of and reuse of Co2 has not been a part of the global economy and this has created a shortage of clean high quality Co2. Co2 has many uses and is known to be used by plants as part of the photosynthesis process whereby we get oxygen and food crops, and the NASA images prove this.

DIBS Hawaii is looking to capture Co2 from the sources that produce the highest concentrations and clean it to a food grade product. This food grade Co2 can then be used to:

Aid in Agriculture to increase plant growth and maturity, act as a pesticide and fertilizer reducing the need for chemicals and moving Hawaii forward to food sustainability.

Aid in food storage and transportation in Dry Ice Form, enabling our fishing industry and cold storage logistics to maintain perishable and frozen foods longer.

Aid in the medical medicine storage and transportation in Dry Ice Form, to maintain critical perishable medicines at temperature in transportation.

Aid in critical cleaning of components in Dry Ice Form, to be used where sand or water would cause irreparable damage such as at the Puna Geothermal Plant, which was cleaned using Dry Ice.

Aid in the local manufacture of Jet Fuel made from Hydrogen and Co2.

Sequestering Co2 in agriculture as plants watered with Co2 infused water take the Co2 into their roots and store it in the soil thereby remediating the soil and sequestering Co2.

Sequestering Co2 in electricity production by using plants to create ethanol and the exhaust Co2 captured to be provided back to plants as Co2 infused water.

Sequestering Co2 in concrete production thereby making the concrete stronger and last longer.

Sequestering Co2 in Hemp farming and using Hemp as a construction material for hemp blocks, hempcrete and hemp wood products like flooring and plywood.

Co2 has many applications and when applied to the Hawaii market can help move Hawaii to sustainability in Food Production, Building Construction and Jobs as well as helping the global warming situation.

A local Hawaii Carbon Capture Storage and Utilization platform that can capture and distribute Co2 within all Hawaiian Islands has been lacking. This has caused Co2 prices to be extremely high compared to the US Mainland which, has held back the implementation and progress of sustainability.

So I **STRONGLY SUPPORT** Senate Bill 2865!!!

Sidney Higa

SB-2865-HD-1

Submitted on: 4/4/2022 1:01:58 PM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
scotty Reis-Moniz	friends of Waimanalo	Support	In Person

Comments:

Testimony to the House Finance Committee
Rep. Sylvia Luke, Chair

Rep. Kyle T. Yamashita, Vice Chair

April 5th 2022

Measure SB2865 SD2 HD1

I support SB2865 SD2 HD1 and the efforts of Dibshawaii LLC and consortium of native Hawaiian businesses in establishing a Netzero CCSU platform to support Hawaiian lifestyle

And address food and energy security.

Soil revitalization using co2 enrichment to build carbon bank back into Hawaii's depleted soil systems.

Have a blessed day

Mahalo and warm aloha

Scotty Reis-Moniz

Friends Of Waimānalo

TESTIMONY ON SB 2865 SD2 HD1 RELATING TO THE ISSUANCE OF SPECIAL PURPOSE REVENUE BONDS
TO ASSIST DIBSHAWAII LLC

Testimony to the House Finance Committee

Rep. Sylvia Luke, Chair

Rep. Kyle T. Yamashita, Vice Chair

By Sharlette Poe

APRIL 4, 2022

Chair Sylvia Luke, Vice Chair Kyle T. Yamashita and Members of the Committee on Finance. My name is Sharlette Poe and I am a generational descendant of the Waianae Moku (96792) that serves my Community on the Neighborhood Board as its current Chair. I am also a Native Hawaiian community servant-leader, business owner and Hawaiian Homelands lessee in full support of SB2865 SD2 HD1 and the efforts of Dibshawaii LLC and consortium of native Hawaiian businesses in establishing a Netzero CCSU platform to support Hawaiian lifestyle and contribute to Hawaii's food and energy security.

SB2865 SD2 HD1 authorizes the issuance of special purpose revenue bonds to assist Dibshawai'i LLC in building a net zero carbon capture storage utilization (CCSU) platform that will recover vented carbon dioxide emissions and scrub and liquify them into food grade liquid carbon dioxide, as well as produce other products advantageous to the State's goals in going greener across the sectors and industries. By using co2 enrichment to build carbon back into Hawaii's depleted soil systems revitalization can also be accomplished for much of our lands.

Reducing Hawaii's Carbon Footprint

Industrial processes that have large volumes of vented carbon dioxide emissions are exactly where we can start. Instead of venting this carbon dioxide and releasing it into the air to act like a blanket, holding heat in the atmosphere and warming the planet, it can be captured, recovered, scrubbed and liquefied to food grade carbon dioxide (LCO2). This net zero CCSU platform will capture this CO2 before it is released – and wasted, therefore mitigating our carbon footprint and creating additional beneficial uses.

Food Security and Advanced Farming

Food grade LCO2 will be utilized for agriculture, energy, and carbon storage especially as Hawaii moves toward reducing its dependency on imported foods. We can also use this captured carbon dioxide in our soil to restore a hundred years of monoculture lands and develop nutrient dense soil systems to grow nutrient dense foods. With nutrient dense food we can grow healthy communities, healthy families and healthy keiki.

Greener Building Materials

This repurposed carbon dioxide will also be applied in the development of locally sourced building materials such as hempcrete and concrete mineralization.

Jobs & Industry Growth

With the creation of this CCSU platform and the development of an independent carbon dioxide infrastructure, we will be adapting to new technologies, that will need a steady increase of workers, experts, and businesses. There will be great opportunities for long-term, living-wage jobs as well as a need for more small businesses in the related areas around Carbon Capture Storage and Utilization.

Mahalo for this opportunity to submit testimony in support of SB2865 SD2 HD1. I can be reached at sharpoe@gmail.com.

SB-2865-HD-1

Submitted on: 4/4/2022 1:59:02 PM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
Sally Ford	Individual	Support	Written Testimony Only

Comments:

I support SB 2865 and efforts of DIBShawaii LLC and the consortium of native Hawaiian businesses as they aim to provide a netzero platform to support the security of agriculture, the economy, food, and energy. This bill will benefit future generations in Hawaii as the soil is revitalized for food production; and carbon is used beneficially. I am a concerned resident.

SB-2865-HD-1

Submitted on: 4/5/2022 10:40:41 AM

Testimony for FIN on 4/5/2022 2:30:00 PM

Submitted By	Organization	Testifier Position	Testify
DEREK CONSELVA	Individual	Support	Written Testimony Only

Comments:

Aloha,

Testimony to the House Committee

Rep.Slyvia Luke, Chair

Rep. Kyle T. Yamashita, Vice Chair

April 5, 2022

Measure SB2865 SD2 HD1

I support SB2865 SD2 HD1 and the efforts of Dibshawaii LLC and the consortium of the Native Hawaiian Business in establishing a Netzero CCSU platform to support the Hawaiian lifestyle and address food and energy security.

Mahalo, Derek Conselva

AKVO HAWAII