



ORGANIZING *for* ACTION

To: The Senate Committee on Ways and Means
From: Brodie Lockard, OFA Hawaii Climate Lead, 808-262-1285
Date: Tuesday, April 3, 2018

In support of HB 2108 HD1

Dear Chair Dela Cruz, Vice Chair Keith-Agaran and Committee members,

I am the Hawaii Climate Lead for Organizing for Action, a progressive group that played a lead in electing President Barack Obama twice. OFA Hawaii supports HB 2108 HD1.

Seawater Air Conditioning (SWAC) deserves the support of the state. It is very well-suited to Hawaii because of our warm climate, and the proximity of so many large buildings to water, particularly in downtown Honolulu.

SWAC lowers electrical costs and provides rate stability. It currently cools eight state buildings in downtown Honolulu, reducing electricity use by over 5.3 million kilowatt hours yearly. (The average U.S. utility customer uses about 11,000 kilowatt hours yearly.) [1]

SWAC is clean, renewable, and has no significant environmental impact. It cools air directly, requiring no conversion to electricity. It reduces fossil fuel use and greenhouse gas emissions.

District Cooling provides high reliability (generally 99.99% or greater) and can cool 24hrs/day, 365 days/year.

SWAC reduces sewer production and water usage, and requires minimal on-site equipment and maintenance.

Please support this bill so SWAC can expand, save more electricity and reduce Hawaii's greenhouse gas emissions even more.

Thank you for the opportunity to testify.

[1] [http://www.honoluluswac.com/assets/pdfs/20171114-2 Chilled water will now cool 8 state facilities in Downtown Honolulu - Hawaii News Now - KGMB and KHNL.pdf](http://www.honoluluswac.com/assets/pdfs/20171114-2%20Chilled%20water%20will%20now%20cool%208%20state%20facilities%20in%20Downtown%20Honolulu%20-%20Hawaii%20News%20Now%20-%20KGMB%20and%20KHNL.pdf)

Brodie Lockard
Hawaii Climate Lead, Organizing for Action



Email: communications@ulupono.com

SENATE COMMITTEE ON WAYS & MEANS
Tuesday, April 3, 2018 — 10:00 a.m. — Room 211

Ulupono Initiative Strongly Supports HB 2108 HD 1, Relating to the Issuance of Special Purpose Revenue Bonds to Assist a Seawater Air Conditioning Project in Hawaii

Dear Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee:

My name is Murray Clay and I am Managing Partner of the Ulupono Initiative, a Hawai'i-based impact investment firm that strives to improve the quality of life for the people of Hawai'i by working toward solutions that create more locally produced food; increase affordable, clean, renewable energy; and better management of waste and fresh water. Ulupono believes that self-sufficiency is essential to our future prosperity and will help shape a future where economic progress and mission-focused impact can work hand in hand.

Ulupono strongly supports HB 2108 HD 1, which extends the special purpose revenue bond authorization for Kaiuli Energy, LLC, because it aligns with our goal of increasing the production of clean, renewable energy in Hawai'i.

Ulupono supports Kaiuli's request for an extension because we believe seawater air conditioning (SWAC) technology is proven and will help replace the energy-intensive central refrigeration system of a traditional air conditioning system. Kaiuli is targeting hotels and other buildings in the Waikiki and Ala Moana areas that could benefit from SWAC, which will include substantial savings on electricity and water consumption, system replacement costs, and maintenance costs. This technology is known to provide substantial savings of energy and fresh water, both of which are critical to our economy and sustainability. In addition, it will also help the State move closer to its clean energy goals and support Hawai'i's vital tourism industry.

With State DAGS buildings signing on to participate with Honolulu Seawater Air Conditioning in the downtown Honolulu area over the last few months, there should be more optimism by State government for SWAC projects like Kaiuli for the Waikiki and Ala Moana areas.

As Hawai'i's energy issues become more complex and challenging, we appreciate this

Investing in a Sustainable Hawai'i



committee's efforts to look at policies that support renewable energy production.

Thank you for this opportunity to testify.

Respectfully,

Murray Clay
Managing Partner



To: The Senate Committee on Ways and Means
From: Sherry Pollack, 350Hawaii.org
Date: Tuesday, April 3, 2018

In support of HB 2108 HD1

Dear Chair Dela Cruz, Vice Chair Keith-Agaran and Committee members,

I am Vice President of the Hawaii chapter of 350.org, the largest international organization dedicated to fighting climate change. 350Hawaii.org supports HB 2108 HD1.

Seawater Air Conditioning (SWAC) deserves the support of the state. It is very well-suited to Hawaii because of our warm climate, and the proximity of so many large buildings to water, particularly in downtown Honolulu.

SWAC lowers electrical costs and provides rate stability. It currently cools eight state buildings in downtown Honolulu, reducing electricity use by over 5.3 million kilowatt hours yearly. (The average U.S. utility customer uses about 11,000 kilowatt hours yearly.) [1]

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Please support this bill so SWAC can expand, save more electricity and reduce Hawaii's greenhouse gas emissions even more.

Thank you for the opportunity to testify.

[1] http://www.honoluluswac.com/assets/pdfs/20171114-2_Chilled_water_will_now_cool_8_state_facilities_in_Downtown_Honolulu_-_Hawaii_News_Now_-_KGMB_and_KHNL.pdf

Sherry Pollack
Vice President, 350Hawaii.org

HB-2108-HD-1

Submitted on: 4/2/2018 7:03:29 AM

Testimony for WAM on 4/3/2018 10:00:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	Testifying for Oahu County Committee on Legislative Priorities of the Democratic Party of Hawai'i	Support	No

Comments:

To the Honorable Donovan M. Dela Cruz, Chair; the Honorable Gilbert S.C. Keith-Agaran, Vice Chair, and Members of the Committee on Ways and Means:

Good morning, my name is Melodie Aduja. I serve as Chair of the Oahu County Committee ("OCC") on Legislative Priorities of the Democratic Party of Hawaii. Thank you for the opportunity to provide written testimony on House Bill No.2108 HD1 relating to special purpose revenue bonds for seawater air conditioning using a chilled water distribution system by Kaiuli Energy, LLC.

The OCC on Legislative Priorities is in favor of House Bill No 2108 HD1 and supports its passage.

House Bill No.2108 HD1 is in alignment with the Platform of the Democratic Party of Hawai'i ("DPH"), 2016, as it extends the authorization to issue special purpose revenue bonds to assist Kaiuli Energy, LLC, with the financing of the planning, design, and construction of a seawater air conditioning district cooling facility and chilled water distribution system to June 30, 2023.

The DPH Platform states that "[w]e support energy independence, selfsufficiency, affordability and reliability for Hawai'i through the development of renewable alternative energy sources. Specifically, we need to support policies that foster the development of energy production methods that de-emphasize carbon-based fuels and promote renewable sources such as wind, solar, wave, geothermal and Ocean Thermal Energy Conversion 456 (OTEC). (Platform of the DPH, P. 9, Lines 452456)).

Given that House Bill No.2108 HD1 extends the authorization to issue special purpose revenue bonds to assist Kaiuli Energy, LLC, with the financing of the planning, design, and construction of a seawater air conditioning district cooling facility and chilled water distribution system to June 30, 2023, it is the position of the OCC on Legislative Priorities to support this measure.

Thank you very much for your kind consideration.

Sincerely yours,

/s/ Melodie Aduja

Melodie Aduja, Chair, OCC on Legislative Priorities

Email: legislativepriorities@gmail.com, Text/Tel.: (808) 258-8889