HB-2108
Submitted on: 2/5/2018 9:59:01 AM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Randall Francisco	County of Kauai	Support	No

Comments:

HB-2108
Submitted on: 2/6/2018 10:10:30 AM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	OCC Legislative Priorities	Support	No

Comments:

Email: communications@ulupono.com

HOUSE COMMITTEES ON ENERGY & ENVIRONMENTAL PROTECTION AND ECONOMIC DEVELOPMENT & BUSINESS
Wednesday, February 7, 2018 — 10:35 a.m. — Room 309

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

Dear Chair Lee, Vice Chair Lowen, Chair Evans, Vice Chair Keohokalole, and Members of the Committees:

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, 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 these committees’ efforts to look at policies that support renewable energy production.

Thank you for this opportunity to testify.

Respectfully,

Murray Clay
Managing Partner

To: The House Committee on Energy & Environmental Protection
From: Brodie Lockard, 350Hawaii.org, 808-262-1285
Date: Wednesday, 2/7/18

In support of HB 2108

Dear Chair Lee, Vice Chair Lowen and Committee members,

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

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

Brodie Lockard
350Hawaii.org

KAIULI ENERGY

February 6, 2018

To: Honorable Chris Lee, Chair
Honorable Nicole E. Lowen, Vice Chair
Committee on Energy & Environmental Protection

Honorable Cindy Evans, Chair
Honorable Jarrett Keohokalole, Vice Chair
Committee on Economic Development & Business

Subject: Support for HB 2108 – Relating to the issuance of Special purpose revenue bonds to assist a seawater air conditioning project in Hawaii

NOTICE OF HEARING

DATE: Wednesday, February 7, 2018
TIME: 10:35 a.m.
PLACE: Conference Room 309
State Capitol
415 South Beretania Street

Dear Chairs Lee and Evans & Vice Chairs Lowen and Keohokalole,

I come to you in Strong Support of extending the authorization period for the approval and issuance of these Special Revenue Bonds to assist Kaiuli Energy, LLC with the development of seawater air conditioning projects (SWAC) in the State of Hawaii. Passage of this bill will extend the authorization period from July, 2018 to July 2023.

My name is Lance Wilhelm and I am the partner in charge of the development of the SWAC project in Waikiki, Kaiuli's cornerstone project. These revenue bonds are critical to financing the planning, design and construction of a SWAC, a district cooling facility and chilled water distribution system.
SWAC projects are not rocket science. They are basic infrastructure improvements that exist in many cities where the technology has been tested and expanded over the last two decades. The largest system in the world is in Toronto, fulfilling about 25% of that City's cooling requirements; it's over three times the size of our Waikiki system and it continues to grow. Kaiuli's has had the good fortune of interfacing with the Toronto system's original developers and tapping their know-how in the design of our system.

SWAC offers many benefits to Waikiki. Our initial plans call for a 25,000 ton system. At its peak it will substantially reduce Waikiki's carbon footprint by:

- Reducing fossil fuel consumption by up to 170,000 barrels of oil each year;

- Reducing electrical usage by up to 75,000,000 kWh each year;
- Reducing harmful emissions by up to 80,000 tons each year;
- Reducing sewer production by up to 110,000,000 gallons each year; and
- Reducing potable water usage by up to 250,000,000 gallons each year.

We have had very favorable discussions with every major hotel operator in Waikiki as they see both the opportunity to market Waikiki as a green visitor destination area and the opportunity to experience substantial financial savings. And we have also enjoyed favorable discussions with the utilities as the SWAC system will reduce the burden on their facilities and resources.

There is very little downside to extending this authorization period. No bonds will be sold or funds released until the State regulators are convinced that we are prepared to succeed and that we have assembled all the other necessary resources.

We are excited about the opportunity to develop a SWAC system here in Hawaii and appreciate your favorable consideration.

Mahalo,

Lance Wilhelm
Partner
Kaiuli Energy, LLC

HB-2108
Submitted on: 2/6/2018 5:48:50 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
Janet Graham	350.org	Support	No

Comments:

I support continued funding to develop this innovative solution to our clean energy demands in Hawai'i.

* Seawater Air Conditioning (SWAC) is clean, renewable, and has no significant environmental impact. It cools air directly, requiring no conversion to electricity.

* 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 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.

* SWAC requires minimal on-site equipment and maintenance.

[1] 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

HB-2108
Submitted on: 2/5/2018 12:35:02 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez		Support	No

Comments:

HB-2108
Submitted on: 2/5/2018 5:36:42 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nanea Lo		Support	No

Comments:

Hello,

I am writing in SUPPORT of HB 2108.

HB2108 - 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.

* Seawater Air Conditioning (SWAC) is clean, renewable, and has no significant environmental impact. It cools air directly, requiring no conversion to electricity.

* 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 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.

* SWAC requires minimal on-site equipment and maintenance.

I believe this is good for Hawai‘i. Please support also.

me ke aloha ‘Ä• ina,

Nanea Lo

HB-2108
Submitted on: 2/5/2018 6:02:35 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Patricia Blair		Support	No

Comments:

HB-2108
Submitted on: 2/5/2018 9:01:00 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sherry Pollack		Support	No

Comments:

I strongly support HB2108. Seawater Air Conditioning (SWAC) is clean, renewable, and has no significant environmental impact. It cools air directly, requiring no conversion to electricity. Furthermore, SWAC lowers electrical costs and provides rate stability.

Most importantly, SWAC reduces fossil fuel use and greenhouse gas emissions.

Please support and pass this important bill!

LATE

HB-2108
Submitted on: 2/6/2018 6:37:52 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Travis Idol		Support	No

Comments:

Dear EEP and EDB Committee Members,

I am writing in support of HB2108 to extend authorization to issue special-purpose revenue bonds to Kaiuli Energy to plan, design, and implement a seawater A/C system for Honolulu. This is a great example of a large project to reduce electricity usage for energy-intensive office and residential buildings in an urban area. I hope it serves as a model for additional projects in other parts of downtown, Kakaako, and in resort areas such as Waikiki and Kapolei, at the least. My only concern is that the committees perform their due diligence to make sure Kaiuli Energy is a good steward of these revenue bonds and faithfully performs their duties as the principal company carrying out this project.

LATE

HB-2108
Submitted on: 2/6/2018 7:55:05 PM
Testimony for EEP on 2/7/2018 10:35:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
tlaloc tokuda	n/a	Support	No

Comments:

Dear Members,

I am a member of 350 HI, we support all renewable energy technologies and keeping all fossil fuels inthe ground. I support HB2108 because:

HB2108 - 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.

* Seawater Air Conditioning (SWAC) is clean, renewable, and has no significant environmental impact. It cools air directly, requiring no conversion to electricity.

* 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 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.

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* SWAC requires minimal on-site equipment and maintenance.