

**HB-2075**

Submitted on: 2/5/2018 10:50:30 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Javier Mendez-Alvarez		Support	No

Comments:

**HB-2075**

Submitted on: 2/5/2018 11:33:14 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
francis	kane	Support	No

Comments:

**HB-2075**

Submitted on: 2/5/2018 12:11:10 PM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Gerry Dameron	Go Green Culture Foundation	Support	No

Comments:

Dear Legislative Representatives, Aloha. Please support Bill HB2075 to establish and fund the 3 new positions to support our expanding organic and sustainable farming endeavors state wide, this year and beyond. With 90% of our food imported from 3000 to 6000 miles on dirty-fuel cargo ships, it is imperative that we follow Governor Ige's inspiration to double our production of fresh, healthy, and affordable local food here in our islands in the coming 2 years. This bill HB2075 will provide more expert support to our budding and flourishing organic farmers and this can only help. RELATED ADD ON COMMENT: I also encourage our legislative leaders to please establish a new goal to achieve 80% to 100% local food production in the state of Hawai'i by 2030. Every great shift in culture starts with a bold and inspiring goal. The goal to shift from imported to locally produced food has so many benefits for stimulating local Green economic development, keeping commercial funds in the state, reducing our incurred costs from fossil-fuel-powered Matson ships to deliver us 6-week to 12-week old imported food, and to improving the health of our local citizens. We need to also listen to the guidance of some local regenerative agriculture leaders who claim that we can work together to find and allocate 50,000 acres of donated, vacant, arable land with water (currently unused and unproductive) owned by the state, the counties, certain foundations, Kamehameha schools, and private enterprises to offer plots of land to established organic and regenerative farmers to expand their capacity for local food production across Hawaii over the coming 12 years. In the island culture of Cuba, they shifted to 100% organic food production in a matter of months, and saw their citizenry become dramatically more healthy with lower heart disease, lower diabetes, and lower obesity rates, while also seeing the near shore ocean ecosystems thrive by no longer dumping harsh toxic chemical runoff from industrial farming methods into their oceans. This is the shift we need to see here in Hawai'i. Cuba has proven that it can work. And the local food production on the island culture of Cuba dropped the average cost of food to the local citizens from 5 pesos to 2 pesos per pound, a decrease in cost of over 50%. Please sponsor or support Go Green's suggested encouragement for our island culture to set and achieve the goal to accomplish 80% to 100% local food production in Hawai'i nei by 2030, a full 12 years away. Respectfully submitted, with Aloha. Gerry Dameron, Go Green Culture Foundation, Maui, Hawai'i.



# Chamber of Commerce HAWAII

*The Voice of Business*

**Testimony to the House Committee on Economic Development & Business  
and the House Committee on Energy & Environmental Protection  
Wednesday, February 7, 2018 at 10:30 A.M.  
Conference Room 309, State Capitol**

**RE: HOUSE BILL 2075 RELATING TO ENERGY**

Chairs Evans and Lee, Vice Chairs Keohokalole and Lowen, and Members of the Committee:

The Chamber of Commerce Hawaii ("The Chamber") **supports** HB 2075, which authorizes the Hawaii Technology Development Corporation (HTDC) to provide 50% matching grants to Hawaii awardees of alternative energy research grants from the Office of Naval Research.

The Chamber is Hawaii's leading statewide business advocacy organization, representing about 2,000+ businesses. Approximately 80% of our members are small businesses with less than 20 employees. As the "Voice of Business" in Hawaii, the organization works on behalf of members and the entire business community to improve the state's economic climate and to foster positive action on issues of common concern.

In 2015 the Legislature established a matching grant pilot program to further strengthen and support Hawaii companies that are conducting renewable energy research and development through contracts with the Office of Naval Research (ONR). This bill seeks to reestablish the program, which expired in 2017, for two years.

The Chamber continues to support the State's efforts to promote and foster innovation research and development in Hawaii. Innovation is a proven catalyst for economic growth and the creation of high-skilled and high-paying jobs. Local companies currently partnered with ONR are at the forefront of alternative energy research and development, and these efforts are likely to help the State achieve its renewable energy goals.

The Chamber supports this legislation provided that it offers adequate funding and does not adversely impact HTDC's priorities in the Executive Budget. Thank you for the opportunity to testify.



Written Statement of  
**Robbie Melton**  
Executive Director & CEO  
Hawaii Technology Development Corporation  
before the  
**House Committee on Economic Development & Business**  
**And**  
**House Committee on Energy & Environmental Protection**  
Wednesday, February 07, 2018  
10:30 a.m.  
State Capitol, Conference Room 309

In consideration of  
**HB2075**  
**RELATING TO ENERGY**

Chairs Evans and Lee, Vice Chairs Keohokalole and Lowen, and Members of the Committees.

The Hawaii Technology Development Corporation (HTDC) **supports** HB2075 that authorizes the Hawaii Technology Development Corporation to provide 50% matching grants to Hawaii awardees of alternative energy research grants from the Office of Naval Research.

As part of HTDC's vision to create 80,000 new innovation jobs in Hawaii earning \$80,000 or more by 2030, HTDC supports initiatives aimed at promoting technology and innovation jobs. The measure reestablishes the matching grant program originally created under Act 159, Session Laws of Hawaii 2015.

In FY17 HTDC awarded \$950,000 to 3 companies who secured \$10.2 million in federal contracts and projected 45 new jobs. HTDC believes the program supports the growth of companies with innovative renewable energy technologies in the State and moves Hawaii closer to its clean energy goal of 100 percent renewable energy by 2045.

We support this initiative as long as it does not replace our priorities requested in the Executive Budget. Thank you for the opportunity to offer these comments.



Written Statement of  
**DR. PATRICK K. SULLIVAN**  
**PRESIDENT/CEO OCEANIT**

Before the  
**HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS**  
&  
**HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

February 7, 2018  
10:30 a.m.  
State Capitol, Conference Room 309  
In Support of  
**HB2075 RELATING TO ENERGY**

To: Chairs Representative Cindy Evans and Representative Chris Lee, Vice Chairs Jarrett Keohokalole and Representative Nicole Lowen and Members of the Committees

From: Dr. Patrick K. Sullivan, President/CEO

Re: HB2075

Honorable Chairs, Vice-Chairs and Committee Members:

Thank you for the opportunity to offer comments for **HB2075**.

Hawaii's Alternative Energy and Research Development Program is an integral part in making the entire state energy sustainable. Hawaii is fortunate with its diverse resources such as solar, wind, hydro, bioenergy and geothermal which is ideal for the development of clean energy. The continuation of this program is important for Hawaii's economy as it will allow local companies to continue to do their research and development in renewable energy. In addition, it will keep high-paying, high-skilled jobs in Hawaii, furthering the State's commitment to renewable energy and supporting business.

Oceanit offers comments to include the Department of Defense Air Force Research Laboratory.

**HB-2075**

Submitted on: 2/6/2018 7:22:52 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
ann chung		Support	Yes

Comments:

Dear Chairs Evans and Lee and members of EDB and EEP Committees:

Navatek strongly supports HB 2075. Companies doing critical research in clean energy technologies are bringing in large numbers of federal funding to Hawaii and creating the high-skilled, high-paying jobs our workers need. This program supports and strengthens these efforts to further encourage high-impact, clean energy solutions not only proving that Hawaii is an ideal laboratory for the development of clean energy technologies but also creating economic growth and jobs.

We humbly request that the committees consider a 2-year program.(not just 1 year as currently drafted.)

Mahalo for the opportunity to testify.

**HB-2075**

Submitted on: 2/6/2018 7:32:09 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Audra White		Support	No

Comments:

I strongly support this bill.



**HB-2075**

Submitted on: 2/6/2018 7:51:01 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jacqui Hoover	Hawaii Island Economic Development Board	Support	No

Comments:

**HB-2075**

Submitted on: 2/6/2018 7:55:39 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kacey Lock		Support	No

Comments:

**HB-2075**

Submitted on: 2/6/2018 10:06:55 AM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Melodie Aduja	OCC Legislative Priorities	Support	No

Comments:



Statement of  
**Duke Hartman, P.E.**  
Vice President, Business Development  
Makai Ocean Engineering, Inc.  
before the

**COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS  
and  
COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION**

Wednesday February 7th, 2018  
10:30 a.m.  
State Capitol, Conference Room 309  
In consideration of

**HB 2075  
RELATING TO ENERGY**

Chair Evans,  
Vice Chair Keohokalole,  
And members of the Committee on Economic Development & Business

Chair Lee,  
Vice Chair Lowen,  
And Members of the Committee on Energy & Environmental Protection

Makai Ocean Engineering, Inc. **STRONGLY SUPPORTS HB 2075**  
that re-establishes the Alternative Energy Research and Development Pilot Program,  
appropriates funds for the Program and establishes a program sunset date of June 30, 2020.

Makai is a locally-owned and operated technology company based in Hawai`i for over 44 years. One of the driving reasons behind Makai's existence is to help Hawai`i achieve energy independence using clean, alternative and renewable resources.

Hawai`i is blessed with abundant natural resources such as wind, solar, geothermal, hydro, biofuels, and ocean energy. While wind and especially solar contributions to the energy portfolio are now commercial and have grown significantly, other options like ocean energy have the potential to significantly contribute to the supply of base load / firm / constant renewable power, but are worryingly underrepresented. These alternative options are at the same place solar and wind was 20 years ago, and require R&D to reach the same level of maturity and commercialization.

Makai is currently performing R&D and working towards commercialization of ocean thermal energy conversion (OTEC) and at the Natural Energy Laboratory of Hawai`i Authority (NELHA) in Kailua-Kona. Makai employs eight highly-paid, highly-skilled engineers and scientists in the high tech / renewable energy field in rural Kailua-Kona. This program has

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achieved a huge milestone of connecting to the grid, making Hawai'i the home of the world's largest operational OTEC plant, and the clear leader in the emerging market of ocean thermal energy. Plans are in the works for new developments to move this technology even further.

Governor David Ige was present to dedicate the power plant and 'flip the switch,' and in his keynote address he said, "One big difference with OTEC is that it is a firm power source; it allows us to generate electricity consistently... and in the evening hours when other renewable sources are not available, which really is the key to a 100% renewable future."

With the help of programs like this bill, Makai has been able to secure additional competitively awarded federal funding from the U.S. Navy, and bring home national honors, such as the Small Business Administration's Tibbetts Award. This national award recognizes the very best in small innovative companies in the country whose technologies have made a strong economic impact in terms of high paying jobs, and demonstrating success in actually commercializing federal R&D and increasing taxable revenue for the state.

This is why we **STRONGLY SUPPORT HB 2075**. Not only would this program develop alternative energy technology for our 100% renewable future, it would enable our tech industry to compete and win more federal monies for technology development and support high-paying, highly-skilled professional jobs for our keiki here at home.

Thank you for the opportunity to offer these comments.

**HB-2075**

Submitted on: 2/6/2018 4:43:46 PM

Testimony for EDB on 2/7/2018 10:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Gary Shimosono		Support	No

Comments: